T. Marvel

State of Illinois
ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director

2200 Churchill Road, Springfield, IL 62794-9276

217/524-3300

November 21, 1994

H. Derrick Peterson, Esq.
23401 Ridge Road
Germantown, MD 20876

Re: 0310635072 -- Cook County
IPM/Kearney National
ILD085352474
Log No. C-621-M-5
RCRA Closure
Received: September 19, 1994 and September 26, 1994

Dear Mr. Peterson:

This in response to the closure certification documentation (dated September 15, 1994 and September 22, 1994), submitted by DePaul and Associates, Inc. (DAI), on behalf of Kearney National, for the hazardous waste container storage (S01) area at the above-referenced facility. This certification, signed by a representative of the owner/operator, John F. Tierney, Vice-President, Kearney-National, Inc., and an independent professional engineer, Robert D. Gardiner, indicated that the subject hazardous waste management unit had been closed in accordance with the plan approved by the Agency on January 18, 1994.

The subject hazardous waste management unit was inspected by a representative of this Agency on November 3, 1994. The inspection revealed that the unit was closed in accordance with the approved closure plan. In addition, a review of the closure certification and accompanying closure documentation report also indicates that the unit was closed in accordance with the approved closure plan. Therefore, the Agency has determined that closure of the S01 unit at the above referenced facility has apparently met the requirements of 35 IAC 725.

As a result of completing closure of the subject hazardous waste management unit:

1. This facility must continue to meet the requirements of 35 IAC 722 Standards Applicable to Generators of Hazardous Waste and 35 IAC 728 Land Disposal Restrictions.

2. Kearney National must continue to perform closure activities for the hazardous waste storage tank (S02) in accordance with the approved closure plan and subsequent modifications (IEPA Log No. C-499 and associated modifications).

Should you have any questions regarding this matter, please contact John Riekstins of my staff at 217/524-3309.

Sincerely,

Harry A. Chappel, P.E.
Hazardous Waste Branch Manager
Permit Section, Bureau of Land

HAC:JR\C621M5-1.CRT
OR JK

cc: USEPA Region V -- George Hamper
USEPA Region V -- Kelley Moore
DAI -- Richard J. Vamos, Ph.D., P.E.
DAI -- Robert D. Gardiner, P.E.

bcc: Bureau File
Maywood Region
P&RS
Todd Marvel
Jerry Kuhn
John Riekstins

Illinois Environmental Protection Agency · P.O. Box 19276, Springfield, IL 62794-9276

217/782-6762

March 6, 1992

Attn: Derrick Peterson
Bryan, Cave, McPheeters, and McRoberts
700 Thirteenth Street, NW
Washington, D.C. 20005-3960

Refer to: 0310635072 - Cook County
IPM/Kearney National (International Products)
ILD085352474
Received: December 12, 1991
RCRA Closure: C-499-M-5

Dear Mr. Peterson:

The closure/post-closure plan for the hazardous waste underground storage tank system (S02), submitted by DePaul and Associates on behalf of IPM/Kearney National, has been reviewed by the Agency.

The Agency has determined that IPM/Kearney National has not demonstrated that the closure activities associated with the subject tank system have met the "clean closure" requirements of 35 IAC 725.297(a). Pursuant to 35 IAC 725.297(b), since it has been determined by the Agency that this unit has not been or cannot be closed in accordance with "clean" closure standards, this facility must perform closure and post-closure care in accordance with the closure and post-closure care requirements that apply to landfills (35 IAC 725.410).

The subject submittal did not address all applicable requirements for closure and post-closure as a landfill unit. Therefore, due to the following deficiencies, this plan has been denied.

1. In accordance with 35 IAC 725.297(b), if it is determined that all contaminated soils cannot be practicably removed or decontaminated, the owner/operator shall close the tank system in accordance with the closure and post-closure requirements that apply to landfills (Section 725.410). Additionally, the owner/operator shall meet all of the requirements of landfills specified under 35 IAC 725 Subparts G and H.

   In accordance with 35 IAC 725.410(a), at final closure of a landfill unit, the owner/operator must cover the

landfill or cell with a final cover meeting specific design criteria which are specifically outlined. IPM/Kearney National does not provide a cover design within the subject submittal, nor does it provide rationale or justification for leaving this design out of the closure and post-closure plan.

Any resubmittal of the closure and post-closure plan must include a design for a landfill cover for the area where the tank system and impacted environmental media are located which meets the applicable requirements under 35 IAC 725.410. Guidance materials which may be of use in design of the cover are as follows: Seminar publication, "Requirements for Hazardous Waste Landfill Design, Construction and Closure" (EPA/625/4-89/022); and seminar publication, "Design and Construction of RCRA/CERCLA Final Covers" (CERI 90-50).

Should IPM/Kearney National pursue the contention that a final cover meeting the requirements of 35 IAC 725.410 is not applicable to this unit, IPM/Kearney National must provide the Agency with a demonstration, including rationale and justification, that a final cover for this unit is not necessary. Whatever the final course of action (final cover design or non-applicability demonstration), IPM/Kearney National's response is subject to review and approval by the Agency.

2. In accordance with 724.410(b), after final closure, the owner/operator must comply with all post-closure requirements contained in Sections 725.217 through 725.220, including maintenance and monitoring throughout the post-closure care period.

   a. The final closure and post-closure plan must consist of a complete and detailed description of how IPM/ Kearney National plans to monitor, report and maintain the landfill unit in accordance with the requirements of Subparts F, L and N in accordance with 35 IAC 725.217(a).

   b. The final closure and post-closure plan must consist of a complete and detailed description of how the security provisions of 725.114 will be continued to insure protection of human health and the environment in accordance with the requirements of 35 IAC 725.217(b).

   c. The final closure and post-closure plan must consist

of a complete and detailed description of how the subject property will be used in order that the final cover, liner(s), or any other components of any containment system are not disturbed in accordance with 35 IAC 725.217(c).

d. The final closure and post-closure plan must consist of a complete and detailed description of how IPM/Kearney National will comply with the notification requirements specifically outlined in 35 IAC 725.219.

e. The final closure and post-closure plan must provide a complete and detailed description of how the provisions of 35 IAC 725.218 will be met during the closure and post-closure care periods.

f. The final closure and post-closure plan must provide a complete and detailed description of how the provisions of 35 IAC 725 Subpart H, Financial Requirements, will be met during the closure and post-closure care periods. All relevant financial information and instruments required must be provided within the closure and post-closure plan.

The subject closure and post-closure care plan did not provide information on how IPM/Kearney National will comply with these regulations and requirements during the closure and post-closure care period. These issues must be addressed in any subsequent facility closure and post-closure submittal, and must be of sufficient detail to meet the minimum applicable information requirements of Sections D and E of the Agency's RCRA Part B Permit Application Decision Guide. A copy of this document is attached for reference purposes. It is hereby noted that any future facility closure and post-closure submittals are subject to review and approval by the Agency. Should IPM/Kearney National pursue the contention that any of the above regulations are not applicable to this landfill unit, IPM/Kearney National must provide the Agency with a demonstration, including rationale and justification, that these regulations are not necessary for closure and post-closure in accordance with the referenced regulations. Whatever the final course of action (demonstration of compliance or non-applicability demonstration), IPM/Kearney National's response is subject to review and approval by the Agency.

3. In accordance with 35 IAC 725.218(g), the post-closure

plan and length of the post-closure care period may be modified at any time prior to the end of the post-closure care period by providing a petition, meeting the criteria as outlined in 35 IAC 725.218(g)(1) or (2), to the Agency for review and approval.

Additionally, in accordance with 35 IAC 725.218(g)(2)(b), the Agency has the authority to modify the post-closure plan to include, where appropriate, the temporary suspension rather than permanent deletion of one or more post-closure care requirements. At the end of the specified period of suspension, the Agency would then determine whether the requirement(s) should be permanently discontinued or reinstated to prevent threats to human health and the environment.

Should IPM/Kearney National seek temporary suspension of one or more post-closure care requirements, a demonstration, including rationale and justification that suspension of the subject requirement is protective of human health and the environment must be provided. These demonstrations are subject to Agency review and approval.

4. Classification of the groundwater at your facility must be made in accordance with 35 Ill. Adm. Code Part 620 - Groundwater Quality Standards. The soil and groundwater cleanup objectives, specified in the December 27, 1990 closure plan modification from the Agency, may be subject to change n order to insure the cleanup objectives are in compliance with the new groundwater quality standards. Therefore, the Agency will assume the groundwater beneath the hazardous waste underground storage tank system is of Class I quality, as defined in Section 620.210, unless a hydrogeologic characterization (i.e., soil boring logs, water well logs, pump tests, etc.) is performed to demonstrate another classification is appropriate. This hydrogeological characterization must be submitted to the Agency for review and approval by April 15, 1992.

5. In order to allow for a more complete closure and post-closure plan resubmittal, the Agency provides the following comments regarding specific proposals within the subject submittal.

   a. Page 10 of the subject submittal states that if breakthrough of the carbon absorption system is detected, the carbon unit will be replaced. However, the subject plan did not provide the criteria for determination of whether breakthrough has occurred.

Since breakthrough of the carbon units is an integral indicator of the effectiveness of the remediation procedures, the trigger mechanism for determination of carbon unit breakthrough (e.g., effluent concentration of volatile organics) should be identified.

b. Page 10 of the subject submittal provides a cost estimate for the closure and post-closure care period. In accordance with 35 IAC 725.244, the owner/operator shall have a detailed estimate of the cost of post-closure monitoring and maintenance of the facility in accordance with the applicable post-closure regulations in 35 IAC Sections 725.217 through 725.220 and 725.410. The post-closure care cost estimate provided did not provide costs for compliance with all of the requirements for post-closure care as listed in the above regulations (e.g., cost of RCRA cap, cost of compliance with all requirements of 35 IAC 725.218, etc.). Therefore, the cost estimate provided does not meet the minimum requirements of the regulations.

c. The proposal to delete deed notation requirements is not acceptable as proposed. Deed notation requirements could be temporarily deferred, upon Agency approval, until it is determined that the remediation systems cannot effectively remediate soils and groundwater to facility cleanup objectives. In addition, the property must not be offered for sale without full disclosure of the on-going environmental remediation activities. Any proposal must demonstrate that a delay will not increase the potential hazard to human health or the environment.

6. The Agency hereby approves the proposal to install the new Fractured Limestone Series groundwater monitoring well, designated as MW-18D. This new well should be installed in accordance with applicable Agency procedures. Extra precautions should be taken during well installation (e.g., double or triple well casing) as appropriate to avoid cross contamination between water bearing zones. The Agency may require additional well installations in the future as needed to determine the extent of groundwater contamination or to demonstrate the effectiveness of the remediation system.

7. The Agency has reviewed the proposed Plan for Periodic Evaluation of Soil Vapor Extraction System Effectiveness.

This plan is not acceptable to the Agency due to the deficiencies noted below:

a. IPM/Kearney National proposes to use modified Method TO-14 to analyze the soil gas samples in laboratory analyses. They state that the principle modification of Method TO-14 will be to use 3-liter Tedlar (i.e., trade name for polyvinyl fluoride) bags instead of stainless steel canisters as sample collectors. This modification is not acceptable to the Agency. Use of Tedlar bags presents some potential problems including photodegradation of contaminants due to exposure to light and diffusion of contaminant through the Tedlar material. In addition, the chemical similarity of polyvinyl fluoride to polyvinyl chloride suggests that Tedlar may induce some analytical interference due to sorption of organic contaminants. The Agency recommends use of the unmodified TO-14 method, using the stainless steel canisters, of ambient air sampling, primarily for the reasons discussed above.

b. The proposal to use laboratory analysis and field monitoring with a Photoionization Detector (PID) to measure soil gas concentrations as part of their demonstration of the effectiveness of the SVE system is not acceptable to the Agency as proposed.

   IPM/Kearney intends to calibrate the PID by conducting both laboratory analysis and PID on samples collected from each extraction well during the first monitoring period. Subsequently, they intend to use only the PID to quantify the extracted soil gas concentration from each well on a monthly basis. They also propose to recalibrate the PID semi-annually, using a minimum of four extracted soil gas samples. Presumedly, though it is not specified in their proposal, the mean concentrations of laboratory analysis of samples will be compared to the mean concentrations determined by the PID to come up with a conversion factor. There are some problems with this proposal. First, conversion factors can be developed in this manner for any two sets of values, regardless of whether there is any relationship between those data sets. In order to determine the validity of data conversion, correlation analysis needs to be conducted. IPM/Kearney National should calculate the Pearson correlation coefficient to assess the strength of the relationship between data

sets, and should also conduct a t-test to determine whether the relationship is significant.

Another potential problem is that recalibration could be based on as few as only four samples. Since recalibration will be based upon a smaller sample size, our confidence in the accuracy of raw data conversion will not be as strong. In addition, while calibrated and recalibrated data may yield more accurate estimates of actual soil gas concentrations, raw (uncalibrated) PID data may yield more accurate estimates of the rate of decline in soil gas concentrations. Both calibrated/recalibrated and raw PID data should be reported.

A complete closure and post-closure plan addressing the deficiencies noted above, must be submitted to the Agency for review and approval by no later than May 1, 1992. Failure to submit a revised plan by that date will be considered non-compliance with the interim status standards of 35 IAC Part 725, Subpart G - Closure and Post-Closure, and Subpart H - Financial Requirements, and will result in appropriate enforcement actions.

Should you have any questions regarding this matter, please contact Eric Minder or Geordie Smith at 217/782-6762.

Very truly yours,

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EM ALO JKM

Attachment

cc: USEPA Region V - George Hamper
DePaul and Associates - Thomas DePaul

bcc: Division File
Maywood Region
RPMS
Jim Moore
Amy Dragovich
Eric Minder

USEPA

Illinois Environmental Protection Agency · P.O. Box 19276, Springfield, IL 62794-9276

Received: April 1, 1991
April 4, 1991
May 17, 1991
June 5, 1991
Log No.: C-499-M-3

Refer to: 0310635072 - Cook County
International Products and Mfg. Co.
ILD085352474
RCRA Closure

June 26, 1991
Revised: July 10, 1991

International Products and
Manufacturing Company
210 West Oakton
Des Plaines, Illinois 60017-5083

Gentlemen:

The closure plan modification request submitted by ASI Technologies on behalf of International Products and Manufacturing Company (IPM) has been reviewed by this Agency. Your final closure plan to close the hazardous waste storage tank (S02) is hereby approved subject to the following conditions and modifications.

1. When closure is complete the owner or operator must submit to the Agency certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan.

   The attached closure certification form must be used. Signatures must meet the requirements of 35 Ill. Adm. Code Section 702.126. The independent engineer should be present at all critical, major points (activities) during the closure. These might include soil sampling, soil removal, backfilling, final cover placement, etc. The frequency of inspections by the independent engineer must be sufficient to determine the adequacy of each critical activity. Financial assurance must be maintained for the units approved for closure herein until the Agency approves the facility's closure certification.

   The Illinois Professional Engineering Act (Ill. Rev. Stat., Ch. 111, par. 5101 et. seq.) requires that any

person who practices professional engineering in the State of Illinois or implies that he (she) is a professional engineer must be registered under the Illinois Professional Engineering Act (Par. 5101, Sec. 1). Therefore, any certification or engineering services which are performed for a closure plan in the State of Illinois must be done by an Illinois P.E.

Plans and specifications, designs, drawings, reports, and other documents rendered as professional engineering services, and revisions or the above, must be sealed and signed by a professional engineer in accordance with par. 5119, sec. 13.1 of the Illinois Professional Engineering Act.

As part of the closure certification, to document the closure activities at your facility, please submit a Closure Documentation Report which includes:

a. The volume of waste and waste residue removed. The term waste includes wastes resulting from decontamination activities.

b. A description of the method of waste handling and transport.

c. The waste manifest numbers.

d. Copies of the waste manifests.

e. A description of the sampling and analytical methods used.

f. A chronological summary of closure activities and the cost involved.

g. Color photo documentation of closure. Document conditions before, during and after closure.

h. Tests performed, methods and results.

i. A copy of the record describing the type, location and quantity of hazardous wastes disposed of within the disposal unit of the facility in accordance with 35 IAC 725.219(a).

j. A copy of the notation on the deed (or other instrument normally examined during title searches) which includes

the notification requirements of 725.219(b).

The original and two (2) copies of all certifications, logs or reports which are required to be submitted to the Agency by the facility should be mailed to the following address:

Illinois Environmental Protection Agency
Division of Land Pollution Control - #24
Permit Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

2. Following Agency approval of the final design of the soil vapor extraction system, installation, and operation of the soil vapor extraction system for at least six months, installation of the additional groundwater monitoring wells required in Condition 6 below, and installation and operation of the purge well system for a period of at least six months, the Agency shall consider this facility to have completed closure activities. Closure certification and the Closure Documentation Report, as referenced in Condition 1 above, must be provided to the Agency within sixty (60) days of completion of closure activities, or by July 1, 1992, whichever is earlier. Upon Agency approval of the facility's closure certification, the Agency will consider this facility to be in post-closure and subject to all applicable post-closure requirements. A post-closure plan, prepared in accordance with the requirements of 35 IAC 725.216 through 725.220, 725.297, and 725.410, must be provided no later than December 1, 1991, for Agency review and approval.

   Should IPM wish to pursue "clean" closure, Agency established cleanup objectives for facility soils and groundwater as listed in our letter dated December 27, 1990, must be achieved. Upon meeting RCRA clean closure requirements, IPM may petition the Agency and Illinois Pollution Control Board to reduce the time required for post-closure care in accordance with 35 IAC 725.218(g).

3. No later than 60 days after completion of the established post-closure care period for the hazardous waste unit, the owner or operator shall submit to the Agency, by registered mail, a certification that the post-closure care period for the hazardous waste unit was performed in accordance with the approved closure plan per 35 IAC 725.220 (as amended February 5, 1987).

4. Owners and operators of waste management units which received wastes after July 26, 1982 or that certified closure according to 35 IAC 725.215 after January 26, 1983 are required to submit an application for a Post-Closure Permit meeting the requirements of 35 IAC 724 upon request from the IEPA unless it is demonstrated that closure by removal has been achieved.

5. The proposed purge well system is tentatively approved, based upon the ability of the IPM to demonstrate the effectiveness of the purge wells to successfully remediate contaminated groundwater and control contaminant migration. These demonstrations must be made on a quarterly basis in accordance with Condition 12 of the Agency's December 27, 1990 closure plan modification approval letter.

6. The proposed groundwater monitoring system is conditionally approved as modified below. The following monitoring wells must be sampled and samples analyzed on a quarterly basis.

UPPER WATER BEARING ZONE

MW-2	MW-4B	MW-18B
MW-8	MW-15B	MW-18B1
MW-9	MW-17B	MW-18B2
MW-12	MW-13	MW-20B

LOWER WATER BEARING ZONE

MW-4A	MW-14A	MW-15A
MW-17A	MW-18A	MW-19A
MW-20A	MW-22A	MW-23C
MW-14C	MW-18C	

FRACTURED LIMESTONE ZONE (D-Series Wells)

MW-14D

Additional D-Series wells are needed to determine the extent of groundwater contamination in the fractured limestone zone. Of the three existing D-Series wells, only MW-14D is located within the projected contaminant plume boundaries in the water bearing zones closer to land surface. It appears that MW-14D is located near the northwestern contaminant plume limit defined in the "Lower Water Bearing Zone". At least two or three additional

wells are needed to define the extent of contamination in this zone. These additional wells should be located within the lateral boundaries of the contaminant plume identified in the Lower Water Bearing Zone, and they must be included in the quarterly monitoring program. The additional fractured limestone zone wells should be installed and developed by no later than September 1, 1991. As-built well construction logs shall be submitted to the Agency within 30 days of their installation.

7. In order to meet the requirements of the approved closure plan, IPM must provide the following information to the Agency for review and approval. The information requested in Conditions 7b. and c. below must be provided to the Agency within 30 days of Agency approval of final design of the proposed soil vapor extraction system.

   a. A final design for the proposed soil vapor extraction system. This final design should include design rationale, parameters, and dimensions for all equipment and controls of the system. Locations of all injection and extraction wells must be shown on a facility map scaled to 1 inch no greater than 200 feet. All extraction and injection wells installed on-site must be described on a properly filled out Agency well completion report. The final design should describe all monitoring and maintenance inspection schedules and frequencies, and how all inspections will be reported and maintained.

   b. A description of the criteria which will be used to determine the effectiveness of the soil vapor extraction system. This determination must be based upon system monitoring data and/or soil analytical results. Determinations based purely upon theory will not be considered by the Agency due to the apparent difficulty in establishing valid geologic/hydrogeologic data from this site.

      The determination of the effectiveness of the soil vapor extraction system must include a description of all relevant parameters which will be reviewed for evaluation of the system, all sampling procedures and analytical methods used, and justification for the criteria to be selected for this determination. This effectiveness determination should be carried out on a set frequency. Therefore, a schedule for these determinations must be included in this proposal.

c. Based upon the proposed soil vapor extraction system effectiveness determination required in Condition 7b. above, IPM must provide the Agency with graphic representation (drawing) of the soil contamination plume after each assessment made. This map must be of the scale of 1 inch no greater than 200 feet, and should be of sufficient detail to depict the entire plume in relation to the IPM facility.

Since the second quarterly report is to be submitted to finalize the design of the soil vapor extraction system, this report must be in the form of a modification request to the approved closure plan. All further reports, unless modifying either the groundwater collection/monitoring system operations or the soil vapor extraction system operations, should be submitted as quarterly reports, rather than as closure modifications.

8. All soil boring cuttings, purged groundwater from well sampling or purging, equipment decontamination wash and rinsates, etc., must be managed as hazardous wastes, unless proved non-hazardous in accordance with 35 IAC 721.103 (c) and (d). IPM, being the generator of these wastes must adequately classify these wastes as either hazardous or non-hazardous. In any event, these materials must be managed as special wastes.

9. The purge wells constructed as continuously screed wells must be purged on a continuous basis during the entire extent of cleanup operations to ensure that cross-contamination by the more contaminated aquifers to the aquifers of lower contamination does not occur. Upon achievement of the Agency cleanup objectives or termination of purging, these continuously screened wells must be removed or plugged.

10. IPM must analyze for the parameter 1,1,1,2-tetrachloroethane in all further groundwater sampling and analysis events at this facility. The January 1991 sampling and analysis event did not provide analytical results for this parameter.

11. Since additional parameters were detected in the latest groundwater sampling event at this facility, soil and groundwater cleanup objectives for the parameters bromodichloromethane, chloroform, 1,1-dichloroethene, dibromochloromethane and trans-1,2-dichloroethene will be

established by the Agency at a later date. The Agency will notify IPM upon the establishment of these cleanup objectives.

12. Upon final design approval, installation, and initiation of operation of the soil vapor extraction system, the Agency will consider closure activities to be completed at this site, and this facility will be considered to be subject to post-closure requirements. Therefore, a closure extension time of 3.5 years will not be applicable for this facility. Should this facility wish to pursue clean closure, upon achieving the Agency cleanup objectives, IPM can petition the Agency and Illinois Pollution Control Board for relief from further post-closure activities.

13. The Agency is in receipt of the financial assurance documents submitted for this facility. These documents are currently under review. The Agency will notify this facility of any deficiencies with the submittal upon completion of the review.

If you have any questions regarding this matter, please contact Eric Minder at 217/782-6762.

Very truly yours,

Lawrence W Eastep BKA

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

Attachment

cc: Maywood Region
Division File - RCRA Closure
USEPA-Region V - George Hamper
Division of Legal Counsel
Andy Vollmer - Planning and Reporting
ASI Technologies - Curtis Slocum
Geordie Smith - Permits
Eric Minder - Permits
RPMS

Illinois Environmental Protection Agency · P.O. Box 19276, Springfield, IL 62794-9276

ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement

Closure Log C-499-M-3

The hazardous waste management S02 unit at the facility described in this document has been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

USEPA ID Number	Facility Name
Signature of Owner/Operator	Name and Title
Signature of Registered P.E.	Name of Registered P.E. and Illinois Registration Number

Date

EM:

Illinois Environmental Protection Agency · P.O. Box 19276, Springfield, IL 62794-9276

Received: April 1, 1991
April 4, 1991
May 17, 1991
June 5, 1991
Log No.: C-499-M-3

Refer to: 0310635072 - Cook County
International Products and Mfg. Co.
ILD085352474
RCRA Closure

June 26, 1991

International Products and
Manufacturing Company
210 West Oakton
Des Plaines, Illinois 60017-5083

Gentlemen:

The closure plan modification request submitted by ASI Technologies on behalf of International Products and Manufacturing Company (IPM) has been reviewed by this Agency. Your final closure plan to close the hazardous waste storage tank (S02) is hereby approved subject to the following conditions and modifications.

1. When closure is complete the owner or operator must submit to the Agency certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan.

   The attached closure certification form must be used. Signatures must meet the requirements of 35 Ill. Adm. Code Section 702.126. The independent engineer should be present at all critical, major points (activities) during the closure. These might include soil sampling, soil removal, backfilling, final cover placement, etc. The frequency of inspections by the independent engineer must be sufficient to determine the adequacy of each critical activity. Financial assurance must be maintained for the units approved for closure herein until the Agency approves the facility's closure certification.

   The Illinois Professional Engineering Act (Ill. Rev. Stat., Ch. 111, par. 5101 et. seq.) requires that any person who practices professional engineering in the State

of Illinois or implies that he (she) is a professional engineer must be registered under the Illinois Professional Engineering Act (Par. 5101, Sec. 1). Therefore, any certification or engineering services which are performed for a closure plan in the State of Illinois must be done by an Illinois P.E.

Plans and specifications, designs, drawings, reports, and other documents rendered as professional engineering services, and revisions or the above, must be sealed and signed by a professional engineer in accordance with par. 5119, sec. 13.1 of the Illinois Professional Engineering Act.

As part of the closure certification, to document the closure activities at your facility, please submit a Closure Documentation Report which includes:

a. The volume of waste and waste residue removed. The term waste includes wastes resulting from decontamination activities.

b. A description of the method of waste handling and transport.

c. The waste manifest numbers.

d. Copies of the waste manifests.

e. A description of the sampling and analytical methods used.

f. A chronological summary of closure activities and the cost involved.

g. Color photo documentation of closure. Document conditions before, during and after closure.

h. Tests performed, methods and results.

i. A copy of the record describing the type, location and quantity of hazardous wastes disposed of within the disposal unit of the facility in accordance with 35 IAC 725.219(a).

j. A copy of the notation on the deed (or other instrument normally examined during title searches) which includes the notification requirements of 725.219(b).

The original and two (2) copies of all certifications, logs or reports which are required to be submitted to the Agency by the facility should be mailed to the following address:

Illinois Environmental Protection Agency
Division of Land Pollution Control - #24
Permit Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

2. Following Agency approval of the final design of the soil vapor extraction system, installation, and operation of the soil vapor extraction system for at least six months, installation of the additional groundwater monitoring wells required in Condition 6 below, and installation and operation of the purge well system for a period of at least six months, the Agency shall consider this facility to have completed closure activities. Closure certification and the Closure Documentation Report, as referenced in Condition 1 above, must be provided to the Agency within sixty (60) days of completion of closure activities, or by July 1, 1992, whichever is earlier. Upon Agency approval of the facility's closure certification, the Agency will consider this facility to be in post-closure and subject to all applicable post-closure requirements. A post-closure plan, prepared in accordance with the requirements of 35 IAC 725.216 through 725.220, 725.297, and 725.410, must be provided no later than December 1, 1991, for Agency review and approval.

   Should IPM wish to pursue "clean" closure, Agency established cleanup objectives for facility soils and groundwater as listed in our letter dated December 27, 1990, must be achieved. Upon meeting RCRA clean closure requirements, IPM may petition the Agency and Illinois Pollution Control Board to reduce the time required for post-closure care in accordance with 35 IAC 725.218(g).

3. No later than 60 days after completion of the established post-closure care period for the hazardous waste unit, the owner or operator shall submit to the Agency, by registered mail, a certification that the post-closure care period for the hazardous waste unit was performed in accordance with the approved closure plan per 35 IAC 725.220 (as amended February 5, 1987).

4. Owners and operators of waste management units which received wastes after July 26, 1982 or that certified closure according to 35 IAC 725.215 after January 26, 1983 are required to submit an application for a Post-Closure Permit meeting the requirements of 35 IAC 724 upon request from the IEPA unless it is demonstrated that closure by removal has been achieved.

5. The proposed purge well system is tentatively approved, based upon the ability of the IPM to demonstrate the effectiveness of the purge wells to successfully remediate contaminated groundwater and control contaminant migration. These demonstrations must be made on a quarterly basis in accordance with Condition 12 of the Agency's December 27, 1990 closure plan modification approval letter.

6. The proposed groundwater monitoring system is conditionally approved as modified below. The following monitoring wells must be sampled and samples analyzed on a quarterly basis.

UPPER WATER BEARING ZONE

MW-2	MW-4B	MW-18B
MW-8	MW-15B	MW-18B1
MW-9	MW-17B	MW-18B2
MW-12	MW-13	MW-20B

LOWER WATER BEARING ZONE

MW-4A	MW-14A	MW-15A
MW-17A	MW-18A	MW-19A
MW-20A	MW-22A	MW-23C
MW-14C	MW-18C	

FRACTURED LIMESTONE ZONE (D-Series Wells)

MW-14D

Additional D-Series wells are needed to determine the extent of groundwater contamination in the fractured limestone zone. Of the three existing D-Series wells, only MW-14D is located within the projected contaminant plume boundaries in the water bearing zones closer to land surface. It appears that MW-14D is located near the northwestern contaminant plume limit defined in the "Lower Water Bearing Zone". At least two or three additional wells are needed to define the extent of contamination in

this zone. These additional wells should be located within the lateral boundaries of the contaminant plume identified in the Lower Water Bearing Zone, and they must be included in the quarterly monitoring program. The additional fractured limestone zone wells should be installed and developed by no later than September 1, 1991. As-built well construction logs shall be submitted to the Agency within 30 days of their installation.

7. In order to meet the requirement of the approved closure plan, IPM must provide with the following information in the next facility quarterly report, due to the Agency on July 1, 1991:

   a. A final design for the proposed soil vapor extraction system. This final design should include design rationale, parameters, and dimensions for all equipment and controls of the system. Locations of all injection and extraction wells must be shown on a facility map scaled to 1 inch no greater than 200 feet. All extraction and injection wells installed on-site must be described on a properly filled out Agency well completion report. The final design should describe all monitoring and maintenance inspection schedules and frequencies, and how all inspections will be reported and maintained.

   b. A description of the criteria which well be used to determine the effectiveness of the soil vapor extraction system. This determination must be based upon system monitoring data and/or soil analytical results. Determinations based purely upon theory will not be considered by the Agency due to the apparent difficulty in establishing valid geologic/hydrogeologic data from this site.

      The determination of the effectiveness of the soil vapor extraction system must include a description of all relevant parameters which will be reviewed for evaluation of the system, all sampling procedures and analytical methods used, and justification for the criteria to be selected for this determination. This effectiveness determination should be carried out on a set frequency. Therefore, a schedule for these determinations must be included in this proposal.

   c. Based upon the proposed soil vapor extraction system effectiveness determination required in Condition 7b.

above, IPM must provide the Agency with graphic representation (drawing) of the soil contamination plume after each assessment made. This map must be of the scale of 1 inch no greater than 200 feet, and should be of sufficient detail to depict the entire plume in relation to the IPM facility.

Since the second quarterly report is to be submitted to finalize the design of the soil vapor extraction system, this report must be in the form of a modification request to the approved closure plan. All further reports, unless modifying either the groundwater collection/monitoring system operations or the soil vapor extraction system operations, should be submitted as quarterly reports, rather than as closure modifications.

8. All soil boring cuttings, purged groundwater from well sampling or purging, equipment decontamination wash and rinsates, etc., must be managed as hazardous wastes, unless proved non-hazardous in accordance with 35 IAC 721.103 (c) and (d). IPM, being the generator of these wastes must adequately classify these wastes as either hazardous or non-hazardous. In any event, these materials must be managed as special wastes.

9. The purge wells constructed as continuously screed wells must be purged on a continuous basis during the entire extent of cleanup operations to ensure that cross-contamination by the more contaminated aquifers to the aquifers of lower contamination does not occur. Upon achievement of the Agency cleanup objectives or termination of purging, these continuously screened wells must be removed or plugged.

10. IPM must analyze for the parameter 1,1,1,2-tetrachloroethane in all further groundwater sampling and analysis events at this facility. The January 1991 sampling and analysis event did not provide analytical results for this parameter.

11. Since additional parameters were detected in the latest groundwater sampling event at this facility, soil and groundwater cleanup objectives for the parameters bromodichloromethane, chloroform, 1,1-dichloroethene, dibromochloromethane and trans-1,2-dichloroethene will be established by the Agency at a later date. The Agency will notify IPM upon the establishment of these cleanup objectives.

12. Upon final design approval, installation, and initiation of operation of the soil vapor extraction system, the Agency will consider closure activities to be completed at this site, and this facility will be considered to be subject to post-closure requirements. Therefore, a closure extension time of 3.5 years will not be applicable for this facility. Should this facility wish to pursue clean closure, upon achieving the Agency cleanup objectives, IPM can petition the Agency and Illinois Pollution Control Board for relief from further post-closure activities.

13. The Agency is in receipt of the financial assurance documents submitted for this facility. These documents are currently under review. The Agency will notify this facility of any deficiencies with the submittal upon completion of the review.

If you have any questions regarding this matter, please contact Eric Minder at 217/782-6762.

Very truly yours,

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

Attachment

cc: Maywood Region
Division File - RCRA Closure
USEPA-Region V - George Hamper
Division of Legal Counsel
Andy Vollmer - Planning and Reporting
ASI Technologies - Curtis Slocum
Geordie Smith - Permits
Eric Minder - Permits
RPMS

Illinois Environmental Protection Agency · P.O. Box 19276, Springfield, IL 62794-9276

ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement

Closure Log C-499-M-3

The hazardous waste management S02 unit at the facility described in this document has been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

USEPA ID Number	Facility Name
Signature of Owner/Operator	Name and Title
Signature of Registered P.E.	Name of Registered P.E. and Illinois Registration Number
Date	

EM:

USEPA

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

217/782-6761

Received: October 1, 1990
Log No.: C-499-M-2

Refer to: 0310635072 - Cook County
International Products and Mfg. Co.
ILD085352474
RCRA Closure

December 27, 1990

International Products and
Manufacturing Company
210 West Oakton
Des Plaines, Illinois 60017-5083

Gentlemen:

The closure plan modification request submitted by ASI Technologies on behalf of International Products and Manufacturing Company has been reviewed by this Agency. Your final closure plan to close the hazardous waste storage tank (S02) is hereby approved subject to the following conditions and modifications. In addition, your inability to demonstrate that clean closure is achievable coupled with the fact that the tank system did not have secondary containment that meets the requirements of 35 IAC 725.293(b) through (f), interim status post-closure care requirements are applicable to this facility and must be implemented and abided by during remedial activities (35 IAC 725.297(b) and (c)). The first quarterly progress report, as required below, will be reviewed as a closure plan modification. Upon Agency review and approval of a closure plan that addresses the concerns and deficiencies identified herein, the Agency will notify IPM of the need to submit a contingent post-closure plan pursuant to 35 IAC 725.297(c).

1. Closure activities must be completed by July 1, 1991. When closure is complete the owner or operator must submit to the Agency certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan. This certification must be received by the Agency within sixty (60) days after closure, or by September 1, 1991.

The request to extend the time for closure to a period of 3.5 to 4 years is disapproved at this time since IPM has not provided adequate financial assurance documentation (See Condition 26 below), and therefore has not satisfied 35 IAC 725.213(b)(2).

The attached closure certification form must be used. Signatures must meet the requirements of 35 Ill. Adm. Code Section 702.126. The independent engineer should be present at all critical, major points (activities) during the closure. These might include soil sampling, soil removal, backfilling, final cover placement, etc. The frequency of inspections by the independent engineer must be sufficient to determine the adequacy of each critical activity. Financial assurance must be maintained for the units approved for closure herein until the Agency approves the facility's closure certification.

The Illinois Professional Engineering Act (Ill. Rev. Stat., Ch. 111, par. 5101 et. seq.) requires that any person who practices professional engineering in the State of Illinois or implies that he (she) is a professional engineer must be registered under the Illinois Professional Engineering Act (Par. 5101, Sec. 1). Therefore, any certification or engineering services which are performed for a closure plan in the State of Illinois must be done by an Illinois P.E.

Plans and specifications, designs, drawings, reports, and other documents rendered as professional engineering services, and revisions of the above must be sealed and signed by a professional engineer in accordance with par. 5119, sec. 13.1 of the Illinois Professional Engineering Act.

As part of the closure certification, to document the closure activities at your facility, please submit a Closure Documentation Report which includes:

a. The volume of waste an waste residue removed. The term waste includes wastes resulting from decontamination activities.

b. A description of the method of waste handling and transport.

c. The waste manifest numbers.

d. Copies of the waste manifests.

e. A description of the sampling and analytical methods used.

f. A chronological summary of closure activities and the cost involved.

g. Color photo documentation of closure. Document conditions before, during and after closure.

h. Tests performed, methods and results.

The original and two (2) copies of all certifications, logs or reports which are required to be submitted to the Agency by the facility should be mailed to the following address:

Illinois Environmental Protection Agency
Division of Land Pollution Control - #24
Permit Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

2. No later than 60 days after completion of the established post-closure care period for the hazardous waste unit, the owner or operator shall submit to the Agency, by registered mail, a certification that the post-closure care period for the hazardous waste unit was performed in accordance with the approved closure plan per 35 IAC 725.220 (as amended February 5, 1987).

3. Owners and operators of waste management units which received wastes after July 26, 1982 or that certified closure according to 35 IAC 725.215 after January 26, 1983 are required to submit an application for a Post- Closure Permit meeting the requirements of 35 IAC Part 724 upon request from the IEPA unless it is demonstrated that closure by removal has been achieved (35 IAC Section 703.121 (b)).

4. If the Agency determines that implementation of this closure plan fails to satisfy the requirements of 35 IAC Section 725.211, the Agency reserves the right to amend the closure plan. Revisions of closure plans are subject to the appeal provisions of Section 40 of the Illinois Environmental Protection Act.

5. Under the provisions of 29 CFR 1910 (51 FR 15,654, December 19, 1986), cleanup operations must meet the applicable requirements of OSHA's Hazardous Waste Operations and Emergency Response standard. These requirements include hazard communication, medical surveillance, health and safety programs, air monitoring, decontamination and training. General site workers engaged in activities that expose or potentially expose them to hazardous substances must receive a minimum of 40 hours of safety and health training off site plus a minimum of three days of actual field experience under the direct supervision of a trained experienced supervisor. Managers and supervisors at the cleanup site must have at least an additional eight hours of specialized training on managing hazardous waste operations.

6. All samples shall be analyzed individually (i.e., no compositing). Sampling and analytical procedures shall be conducted in accordance with the latest edition of SW- 846 and Attachment 7 to this Agency's closure plan instruction package. When visually discolored or contaminated material exists within an area to be sampled, horizontal placement of sampling locations shall be adjusted to include such visually discolored and/or contaminated areas. Sample size per interval shall be minimized to prevent dilution of contamination. Apparent visually contaminated material within a sampling interval shall be included in the sample portion of the interval to be analyzed. To demonstrate a parameter is not present in a sample, analysis results must show a detection limit at least as low as the PQL for that parameter in the latest edition of SW-846. For inorganic parameters, the detection limit must be at least as low as the RCRA Groundwater Detection Limits, as referenced in SW-846 (Third Edition) Volume 1A, pages TWO-29 and TWO-30, Table 2-15.

7. Upon review of the conditions present at the IPM facility, the Agency has revised the cleanup objectives for both soil and groundwater. The parameters, soil and groundwater objectives, and acceptable detection limits (ADL) for this facility are listed in Attachment A. Closure certification for this facility will not be approved by the Agency until both soil and groundwater are remediated to these objectives.

8. IPM shall submit quarterly progress reports containing the results of all closure activities conducted during the previous quarter, including but not limited to the results of groundwater monitoring activities and soil investigations conducted. The first quarterly report shall document the results of the proposed pilot studies and contain proposals for further closure activities. Documentation of pilot study results should be of sufficient detail to support specific proposals for further closure activities. All proposals must include references to specific procedures, analytical methods, compliance schedules, etc. This information (i.e., the first quarterly progress report) shall be submitted in the form of a closure plan modification, subject to review and approval by the Agency. The initial quarterly progress report is due to the Agency for review no later than April 1, 1990.

9. SW-846 Methods 8010 and 8020 shall be used to analyze for the presence of organic hazardous waste constituents in all soil, groundwater and air samples. Results shall be reported for all parameters capable of being detected by these methods.

10. Analytical results for all samples (soil, groundwater, air) shall be submitted in tabular form as part of the required quarterly report submittals. The extent of soil and groundwater contamination shall also be displayed on a site map and/or in graphic form. In addition, results of analyses of groundwater samples shall be reported on DLPC Chemical Analysis Form LPC 160 (copy enclosed).

11. The objective of closure by removal by soil vapor extraction is to meet cleanup objectives for volatile organic compounds detected in the soils. A broader analytical scan for VOC parameters (i.e., SW-846 Methods 8010 and 8020) than those conducted in the past, along with requirements for reporting results for all parameters that may be identified by the methods, may reveal additional contaminants previously unidentified. In this event, additional cleanup objectives will need to be considered. Information of this type shall be included in the quarterly progress reports, along with a request to modify the approved closure plan to set additional cleanup objectives.

12. Each quarterly progress report shall contain an assessment of the effectiveness of the corrective action program to reduce groundwater contaminant concentrations and program prevent further migration of the contaminant plume(s). At a minimum, these reports should include an assessment of the extent of groundwater contamination and the rate of plume migration (spreading or shrinking). If the results of this assessment indicate that the approved closure activities are not able to effectively remediate and contain the contaminant plume(s), this shall be considered as an unexpected event which would require amendment of the closure plan pursuant to the requirements of 35 IAC 725.212(c).

13. IPM shall provide references to document the selection of all formulas used in the proposed design and/or analysis of pilot studies or closure activities. This information shall be submitted as part of the first quarterly progress report.

14. IPM shall provide a description of the criteria to be used to determine whether additional soil vapor extraction wells are needed. The type of study to be carried out to determine the final extraction well spacing should also be explicitly defined, along with the criteria for acceptable well spacing. This information shall be submitted as part of the first quarterly progress report.

15. IPM shall provide a description of the strategy for selection of the appropriate location of the screened interval for the vapor extraction wells (e.g., area of highest contaminant concentration, most permeable zone within the soil, etc.), and how this will be determined for different treatment areas. This information shall be submitted as part of the first quarterly progress report.

16. A soil gas survey using an organic vapor meter is not an acceptable substitute for soil core sample analysis to determine whether cleanup objectives have been met. A soil gas survey may only be used in conjunction with, but not instead of, soil boring core analysis as an intermediate step to determine the progress of closure activities.

17. IPM shall submit a detailed description of the proposed soil monitoring program along with proposals for final design of the soil remediation system. This soil monitoring program must include soil boring core analysis as verification of meeting established soil cleanup objectives. This information shall be submitted in the form of an application to modify the approved closure plan.

18. IPM shall submit a detailed description of the methods they propose to use for statistical analysis for data collected during operation of Stage I, and how they intend to use this information. This information shall be submitted in the form of an application to modify the approved closure plan.

19. Stainless steel (SS 136) materials must be used for construction of all groundwater monitoring wells. Hybrid stainless steel/PVC well construction materials may be used provided that PVC is only used to construct that portion of a well located above groundwater levels. The design of wells constructed with hybrid materials must take into account seasonal fluctuations in groundwater levels, as well as the effects of water table upwelling caused by the vacuum, as discussed in IPM's proposed soil vapor extraction system. Well construction details should follow the specifications in the Agency's Monitoring Well Diagram (copy enclosed). Well completion reports should be submitted for each new well installed at the IPM facility, and all other wells for which no well completion report has been submitted, using the Agency's Well Completion Report form (copy enclosed). This information should be submitted in the Quarterly progress reports.

20. Quarterly assessments of the effectiveness of the groundwater remediation system are required to determine whether design of the treatment system is adequate to meet IPM's stated containment and remediation goals. If limitations imposed by the treatment system (e.g., maximum treatment capacity of 6 gal/min) renders the remediation system inadequate to meet these goals, IPM shall be required to expand the groundwater treatment system. This shall be submitted in the form of an application to modify the approved closure plan.

21. Figure 17 of the subject closure plan modification is supposed to be a map of projected purge wells depicting the 31 purge well scenario. However, Figure 17 show 19 shallow and 13 deep purge wells for a total of 32 purge wells. IPM should correct the apparent discrepancy between their narrative description of purge wells and those depicted in Figure 17. A list of proposed purge wells along with a map indicating the location of these wells should be provided. This information shall be submitted as part of the first quarterly progress report.

22. IPM has proposed the use of a multi-staged activated carbon treatment system to remove organic contaminants from the groundwater. The final disposition of treated groundwater has not been specified. IPM shall submit an application by February 15, 1991 to modify the approved closure plan, which will specify the final disposition of treated groundwater.

23. The subject closure modification proposes to sample and analyze 18 groundwater monitoring wells at the IPM site on a quarterly basis, with annual sampling of all monitoring wells. Figure 18 identifies 17 wells for "projected quarterly and annual sampling". IPM shall specify which 18 wells are proposed for quarterly sampling. A list of the wells proposed for quarterly sampling shall be submitted along with a map showing the well locations. IPM shall also correct the apparent discrepancy between their narrative description of wells proposed for annual sampling (i.e., all wells) and those indicated in Figure 18. In addition, water elevation measurements shall be taken for all wells on a quarterly basis in order to evaluate the effectiveness of withdrawal wells to control groundwater flow gradients. This information shall be submitted as part of the first quarterly monitoring report.

24. IPM's proposed schedule for closure included completion dates of February 28, 1990 (complete) to assess groundwater impact and delineate the plume, May 29, 1990 (complete) for further soil investigation, and Day 90 and every 90 days thereafter for sampling and analysis of groundwater. Schedules for completion of these tasks must be modified since the subject closure plan modification includes proposals for additional work for both groundwater and soil investigations. IPM's schedule for sampling and analysis of groundwater shall be changed to within 30 days of installation of monitoring wells an every 90 days thereafter. This information shall be submitted as part of the first quarterly progress report.

25. Pages 15 and 22 of the subject closure plan modification indicate that IPM may consider remediation of the impacted soils by bioremediation in conjunction with soil vapor extraction. Should IPM pursue bioremediation monitoring of the contaminated soils, a modification to the approved closure plan must be

provided which describes the purpose and extent of the monitoring program, describes soil sampling procedures, references specific methods to be used for soil sample analysis, and makes a provision to provide the Agency with complete and detailed reports, including all analytical information obtained, after each sampling event.

Further, should IPM pursue efforts to enhance the bioremediation process, a complete and detailed report, including information on the proposed bioremediation treatment, nutrients to be utilized during treatment, nutrient application frequency, effects of dual soil vapor extraction and bioremediation treatment of the soils, etc. must be provided. Along with this submittal, a work plan, outlining the proposed bioremediation treatment to be undertaken at the site, must be submitted to the Agency.

These submittals will be subject to review for approval by the Agency.

26. The Agency has not received documentation of adequate financial assurance for RCRA closure at this facility. It is hereby noted, pursuant to 35 IAC 725.242(a)(1), 725.243, and 725.297, the owner/operator must provide financial assurance for the clean closure alternative, or for the "dirty" closure and post-closure care should the costs for this alternative be greater than for the clean closure plan. Also, the owner/operator must provide documentation of adequate liability insurance for sudden and non-sudden occurrences (35 IAC 725.247). Adequate documentation of financial assurance and liability insurance must be provided to the Agency by April 1, 1991.

27. Unless noted above, all closure activities must be conducted in accordance with the approved closure plan. This includes all soil sampling procedures, analytical methods, sample preservation procedures, etc.

If you have any questions regarding this matter, please contact Eric Minder at 217/782-6762.

Very truly yours,

Lawrence W. Eastep

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EJM:4395n,67-73

Attachments

cc: Maywood Region
Division File - RCRA Closure
ASI Technologies - Dan Peterson
Warzyn Engineering - Martin Hamper
USEPA Region V - George Hamper
Andrew Vollmer - Planning and Reporting
Geordie Smith - Groundwater Assistance
Eric Minder

ATTACHMENT A

SOIL AND GRDUNDWATER CLEANUP DBJECTIVES

Parameter	Site Objectives (ppb)	ADL (ppb)
Cis-1,2-Dichloroethene	200.0	5.0
Carbon Tetrachloride	25.0	1.2
Trichloroethene	25.0	1.2
Tetrachloroethene	25.0	0.3
1,1,1,2-Tetrachloroethane	210.0	
1,1,2-Trichloroethane	25.0	5.0
1,1,1-Trichloroethane	1000.0	0.3
Xylene	10,000.0	5.0
Ethylbenzene	1000.0	2.0
Vinyl Chloride	10.0	1.8
Trans-1,2-Dichloroethene	500.0	1.0
Toluene	5000.0	2.0

EJM:4395n,74

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement

Closure Log C-499-M-2

The hazardous waste management SO2 units at the facility described in this document has been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

USEPA ID Number

Facility Name

Signature of Owner/Operator

Name and Title

Signature of Registered P.E.

Name of Registered P.E. and Illinois Registration Number

Date

EJM:4395n,75

USEPA

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

217/782-6762

Log No. C-499-M-4
Received: July 1, 1991

Refer to: 0310635072 -- Cook County
International Products & Mfg. Co.
ILD085352474
RCRA-Closure

September 27, 1991

International Products and Manufacturing Company
201 West Oakton
Des Plaines, Illinois 60017-5085

Gentlemen:

The closure plan modification request submitted by ASI on behalf of IPM has been reviewed by this Agency. Your final closure plan to close the hazardous waste tank (S02) storage system is hereby approved subject to the following conditions and modifications.

1. When closure is complete the owner or operator must submit to the Agency certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan.

   The attached closure certification form must be used. Signatures must meet the requirements of 35 Ill. Adm. Code Section 702.126. The independent engineer should be present at all critical, major points (activities) during the closure. These might include soil sampling, soil removal, backfilling, final cover placement, etc. The frequency of inspections by the independent engineer must be sufficient to determine the adequacy of each critical activity. Financial assurance must be maintained for the units approved for closure herein until the Agency approves the facility's closure certification.

   The Illinois Professional Engineering Act (Ill. Rev. Stat., Ch. 111, par. 5101 et. seq.) requires that any person who practices professional engineering in the State of Illinois or implies that he (she) is a professional engineer must be registered under the Illinois Professional Engineering Act (par. 5101, Sec. 1). Therefore, any certification or engineering services which are performed for a closure plan in the State of Illinois must be done by an Illinois P.E.

   Plans and specifications, designs, drawings, reports, and other documents rendered as professional engineering services, and revisions of the above must be sealed and signed by a professional engineer in accordance with par. 5119, sec. 13.1 of the Illinois Professional Engineering Act.

As part of the closure certification, to document the closure activities at your facility, please submit a Closure Documentation Report which includes:

a. The volume of waste and waste residue removed. The term waste includes wastes resulting from decontamination activities.

b. A description of the method of waste handling and transport.

c. The waste manifest numbers.

d. Copies of the waste manifests.

e. A description of the sampling and analytical methods used including sample preservation methods and chain-of-custody information.

f. A chronological summary of closure activities and the cost involved.

g. Color photo documentation of closure. Document conditions before, during and after closure.

h. Tests performed, methods and results.

The original and two (2) copies of all certifications, logs, or reports which are required to be submitted to the Agency by the facility should be mailed to the following address:

Illinois Environmental Protection Agency
Division of Land Pollution Control -- #24
Permit Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

2. The 30 foot soil vapor extraction well spacing design is exceeded in the eastern portion of the remediation area. The spacing between proposed extraction well EW-9 and well EW-7, the closest neighboring well, appears to be over 60 feet. An additional soil vapor extraction well should be installed approximately 30 feet west of well EW-9 in order to maintain a relatively consistent 30 foot spacing between wells.

3. Following installation of and operation of the soil vapor extraction system for a period of at least six months, installation of the groundwater monitoring system required by the Agency approved closure plan, and installation and operation of the approved purge well system for a period of at least six months, the Agency shall consider this facility to have completed closure activities. Closure certification and the Closure Documentation Report, as referenced in Condition 1 of this document, must be provided to the Agency within sixty (60) days of completion of closure activities, or by July 1, 1992, whichever is

earlier. Upon Agency approval of the facility's closure certification, the Agency will consider this facility to be in post-closure and subject to all applicable post-closure requirements. A post-closure plan, prepared in accordance with the requirements of 35 IAC 725.216 through 725.220, 725.297, and 725.410, must be provided no later than December 1, 1991, for Agency review and approval.

Should IPM wish to pursue clean closure, Agency established cleanup objectives for facility soils and groundwater as listed in the Agency letter dated December 27, 1990, must be achieved. Upon meeting RCRA clean closure requirements, IPM may petition the Agency and Illinois Pollution Control Board to reduce the time required for post-closure in accordance with 35 IAC 725.218(g).

4. IPM must propose a method for periodic evaluation of the effectiveness of the soil vapor extraction system. In accordance with Condition 7 of the Agency's July 10, 1991 closure plan modification approval letter, IPM must provide the Agency with a description of the criteria which will be used to determine the effectiveness of the subject system. This determination must be based upon system monitoring data and/or soil analytical results. Determinations based solely upon theory will not be considered by the Agency due to the apparent difficulty in establishing valid geologic/hydrogeologic data from this site.

   The determination, referenced above, must include a description of all relevant parameters which will be reviewed for evaluation of the system, all sampling procedures and analytical methods used, and justification for the criteria to be selected for this determination. This effectiveness determination should be carried out on a set frequency. Therefore, a schedule for these determinations must be included in this proposal.

   Additionally, based upon the proposed soil vapor extraction system effectiveness determination required above, IPM must provide the Agency with graphic representation (drawing) of the soil contamination plume after each assessment made. This map must be of the scale of 1 inch no greater than 200 feet, and should be of sufficient detail to depict the entire plume in relation to the IPM facility.

   A proposed method for system effectiveness as required above must be submitted to the Agency for review and approval by no later than December 1, 1991.

5. IPM may exclude SW-846 Method 8020 analyses from routine quarterly groundwater sampling. However, more extensive sampling and analysis may be required in order to verify clean closure.

6. Owners and operators of waste management units which received wastes after July 26, 1982 or that certified closure according to 35 IAC 725.215 after January 26, 1983 are required to submit an application for a Post-Closure Permit meeting the requirements of 35 IAC, Part 724 upon request from the IEPA unless it is demonstrated that closure by removal has been achieved. (35 IAC Section 703.121(b))

7. Under the provisions of 29 CFR 1910 (51 FR 15,654, December 19, 1986), cleanup operations must meet the applicable requirements of OSHA's Hazardous Waste Operations and Emergency Response standard. These requirements include hazard communication, medical surveillance, health and safety programs, air monitoring, decontamination and training. General site workers engaged in activities that expose or potentially expose them to hazardous substances must receive a minimum of 40 hours of safety and health training off site plus a minimum of three days of actual field experience under the direct supervision of a trained experienced supervisor. Managers and supervisors at the cleanup site must have at least an additional eight hours of specialized training on managing hazardous waste operations.

8. All samples shall be analyzed individually (i.e., no compositing). Sampling and analytical procedures shall be conducted in accordance with the latest edition of SW-846 and Attachment 7 to this Agency's closure plan instruction package. When a SW-846 (Third Edition) analytical method is specified, all the chemicals listed in the Quantitation Limits Table for that method shall be reported unless specifically exempted in writing by the Agency. When visually discolored or contaminated material exists within an area to be sampled, horizontal placement of sampling locations shall be adjusted to include such visually discolored and/or contaminated areas. Sample size per interval shall be minimized to prevent dilution of any contamination. Apparent visually contaminated material within a sampling interval shall be included in the sample portion of the interval to be analyzed. To demonstrate a parameter is not present in a sample, analysis results must show a detection limit at least as low as the PQL for that parameter in the latest edition of SW-846. For inorganic parameters, the detection limit must be at least as low as the RCRA Groundwater Detection Limits, as referenced in SW-846 (Third Edition) Volume 1A, pages TWO-29 and TWO-30, Table 2-15. If possible, your sampling program should be extensive enough to determine the lateral and vertical extent of contamination to the detection limit (PQLs) referenced above.

9. Unless specifically noted above, all closure activities must be conducted in accordance with the Agency approved closure plan and all subsequent modifications.

10. 35 IAC 721.131 F001 through F005 wastes must be disposed in accordance with 35 IAC Part 728.

11. To avoid creating another regulated storage unit during closure, it is recommended that you obtain any necessary permits for waste disposal prior to initiating excavation activities. If it is necessary to store excavated hazardous waste on-site prior to off-site disposal, do so only in containers or tanks for less than ninety (90) days. Do not create regulated waste pile units by storing the excavated hazardous waste in piles. The ninety (90) day accumulation time exemption (35 IAC 722.134) only applies to containers and tanks.

12. Please be advised that the requirements of the Responsible Property Transfer Act (Public Act 85-1228) may apply to your facility due to the management of RCRA hazardous waste. In addition, please be advised that if you store or treat on-site generated hazardous waste in containers or tanks pursuant to 35 IAC 722.134, those units are subject to the closure requirements identified in 35 IAC 722.134(a)(1).

13. All hazardous wastes that result from this project are subject to annual reporting as required in 35 IAC 722.141 and shall be reported to the Agency by March 1 of the following year for wastes treated and left on-site or shipped off-site for storage, treatment and/or disposal during any calendar year. Additional information and appropriate report forms may be obtained from the Agency by contacting:

    Facility Reporting Unit
    Division of Land Pollution Control
    Illinois Environmental Protection Agency
    P.O. Box 19276
    Springfield, Illinois 62794-9276

Should you have any questions regarding this matter, please contact Eric Minder at 217/782-6762.

Very truly yours,

Lawrence W Eastep by AP

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EM:jk/2977q,4-8

Attachment

cc: Maywood Region
    Division File - RCRA Closure
    USEPA Region V -- George Hamper
    Enforcement
    RPMS
    ASI Technologies -- Hong Xu
    ASI Technologies -- Kerry Puzio
    Geordie Smith -- Permits
    Eric Minder -- Permits

ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement

Closure Log C-499-M-4

The hazardous waste management SO2 unit at the facility described in this document has been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The Owner/Operator hereby certifies that he has recorded the notation specified in 35 Ill. Adm. Code, Section 725.219(b)(1) as amended March 24, 1987.

USEPA ID Number

Facility Name

Signature of Owner/Operator

Name and Title

Signature of Registered P.E.

Name of Registered P.E. and Illinois Registration Number

Date

LWE:EM:jk/2977q,9

USEPA

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

217/782-6762

Log No.: C-499-M-1
Received: March 12, 1990

Refer to: 0310635072
IPM
ILD 085352474
RCRA Closure

June 8 ,1990

International Products
and Manufacturing Company
210 West Oakton
Des Plaines, Illinois 60017-5083

Gentlemen:

This letter indicates receipt of the closure plan modification and post-closure plan submitted by ASI Technologies on behalf of IPM, dated March 12, 1990. As per your request, the Agency is withdrawing this modification. It is agreed that IPM will submit a closure modification request at a later date to the Agency for conducting "clean" closure activities at this site.

Should you have any questions regarding this matter, please contact Eric Minder at 217/782-6762.

Very truly yours,

Lawrence W Eastep

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EJM:jas/2092n,32

cc: Maywood Region
Division File
Andy Vollmer
ASI Technologies - Merris Sinha
USEPA Region V - George Hamper
Compliance Section

ANATECH
Analytical Laboratories
FAX: 616-845-9942
616-843-1877

TO: Region V

ILD085352474
IPM Co
Cost Co
RCRA Closure

October 29, 1991

Attn: Mr. Rick Vamos
DePaul and Associates, Inc.
154 W. Hubbard Street
Suite 400
Chicago, Illinois 60610

Dear Mr. Vamos:

Please find enclosed the results for your water samples. Analysis was performed in accordance with the methods in the "Federal Register," Vol. 49, No. 209, Friday, October 26, 1984, "U.S. EPA Methods for Chemical Analysis of Water and Wastes," (EPA-600/4-79-020), March, 1983, "Standard Methods for the Analysis of Water and Wastewater," 16th Edition, or "Test Methods for Evaluating Solid Wastes," SW 846, U.S. EPA, September 1986.

LAB REF. NO.: 13191

If you have any questions concerning these results, please do not hesitate to contact our laboratory at (616) 843-1877.

Sincerely

ANATECH Analytical Laboratories

James E. Fisher
Laboratory Manager

nef

Enclosure

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2720
CLIENT SAMPLE I.D.:	MW-2

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
jef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2721
CLIENT SAMPLE I.D.:	MW-4A

BROMODICHLOROMETHANE	2
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	15
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	9
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2722
CLIENT SAMPLE I.D.:	MW-4B

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	40
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	310
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	65
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	5

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2723
CLIENT SAMPLE I.D.:	MW-8

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	8
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	6
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	190
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2724
CLIENT SAMPLE I.D.:	MW-9

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	200
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	620
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2725
CLIENT SAMPLE I.D.:	MW-12

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	570
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2726
CLIENT SAMPLE I.D.:	MW-13

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	3
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	27
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	200
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2727
CLIENT SAMPLE I.D.:	MW-14A

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	50
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	370
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	4800
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2728
CLIENT SAMPLE I.D.:	MW-14C

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	760
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E Fisher
James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2729
CLIENT SAMPLE I.D.:	MW-14D

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	3
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2730
CLIENT SAMPLE I.D.:	MW-15A

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	1
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2731
CLIENT SAMPLE I.D.:	MW-15B

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2732
CLIENT SAMPLE I.D.:	MW-17A

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2733
CLIENT SAMPLE I.D.:	MW-17B

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	30
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	710
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	10

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2734
CLIENT SAMPLE I.D.:	MW-18A

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	2000
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	200
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	26,000
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	200

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2735
CLIENT SAMPLE I.D.:	MW-18B

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	190
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	5900
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	100

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2736
CLIENT SAMPLE I.D.:	MW-18B-1

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	140
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	100
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	2000
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	10

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2737
CLIENT SAMPLE I.D.:	MW-18B-2

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	50
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	1600
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	10

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2738
CLIENT SAMPLE I.D.:	MW-18C

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	84
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	940
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	5

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2739
CLIENT SAMPLE I.D.:	MW-19A

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	4
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	180
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2740
CLIENT SAMPLE I.D.:	MW-20A

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	5
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
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HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2741
CLIENT SAMPLE I.D.:	MW-20B

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Labaratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2742
CLIENT SAMPLE I.D.:	MW-22A

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
ref

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2743
CLIENT SAMPLE I.D.:	MW-23C

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2745
CLIENT SAMPLE I.D.:	EQUIPMENT BLANK (KECK PUMP)

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	1
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2746
CLIENT SAMPLE I.D.:	RO WATER BLANK

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	2
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.: 2747
CLIENT SAMPLE I.D.: BAILER BLANK I (TEFLON BAILER)

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	2
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2748
CLIENT SAMPLE I.D.:	BAILER BLANK II

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	2
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	ND
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2749
CLIENT SAMPLE I.D.:	MW 14C REPLICATE

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	25
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	400
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	10/08/91
LAB REF. NO.:	13191	DATE RECEIVED:	10/10/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	10/21/91
DESCRIPTION:	Water Sample	REPORT DATE:	10/29/91
ANALYST:	EE, LBC		

LAB SAMPLE I.D.:	2750
CLIENT SAMPLE I.D.:	MW 19A REPLICATE

BROMODICHLOROMETHANE	ND
BROMOFORM	ND
BROMOMETHANE	ND
CARBON TETRACHLORIDE	ND
CHLOROBENZENE	ND
CHLOROETHANE	ND
2-CHLOROETHYL VINYL ETHER	ND
CHLOROFORM	ND
CHLOROMETHANE	ND
DIBROMOCHLOROMETHANE	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
DICHLORODIFUOROMETHANE	ND
1,1-DICHLOROETHANE	ND
1,2-DICHLOROETHANE	ND
1,1-DICHLOROETHENE	ND
c-1,2-DICHLOROETHENE	ND
t-1,2-DICHLOROETHENE	ND
1,2-DICHLOROPROPANE	ND
c-1,3-DICHLOROPROPANE	ND
t-1,3-DICHLOROPROPANE	ND
METHYLENE CHLORIDE	ND
1,1,2,2-TETRACHLOROETHANE	ND
TETRACHLOROETHENE	ND
1,1,1-TRICHLOROETHANE	ND
1,1,2-TRICHLOROETHANE	ND
1,1,1,2-TETRACHLOROETHANE	ND
TRICHLOROETHENE	290
TRICHLOROFLUOROMETHANE	ND
VINYL CHLORIDE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager
nef

C499 — M-5

ENVIRONMENTAL
T·E·C·H·N·O·L·O·G·I·E·S

October 3, 1991

Mr. Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62794-9276

RE: 0310635072 - Cook County
International Products and Mfg. Co.
ILD085352474
RCRA Closure

RECEIVED
OCT 0 4 1991
IEPA-DLPC

Dear Mr. Eastep,

Please find enclosed the October, 1991 Quarterly Report for the IPM facility.

If you should have any questions or concerns, please do not hesitate to contact me at (800) 848-4508.

Sincerely,
ASI Environmental Technologies

Steve Jackson

Steve Jackson
Regulatory Specialist

770 W. Algonquin • Arlington Heights, IL 60005
Phone (708) 364-7571 • FAX (708) 364-9761

IPM FACILITY
QUARTERLY REPORT

Location:

NE 1/4, Section 25
Township 41N. Range 11E.
City of Des Plaines
Cook County, Illinois

October 1991

Prepared For:

Mr. Jerry Zilinskas
Kearney - National, Inc.
5 Corporate Park Drive - Suite 114
White Plains, New York 10604

Prepared By:

ASI Environmental Technologies
770 West Algonquin
Arlington Heights, Illinois 60005

EXECUTIVE SUMMARY

This Quarterly report is submitted on behalf of Kearney - National, Inc. (Kearney), owner of the property located at 201 West Oakton in Des Plaines, Illinois, to modify the closure plan approved by the Illinois Environmental Protection Agency (IEPA) and to provide quarterly monitoring data as required in the IEPA letter dated December 27, 1990.

The October 1991 Quarterly report includes analytical results for quarterly monitoring of groundwater wells. Review of analytical results from the quarterly groundwater sampling event indicate that while levels of organic constituents continue to decrease across the site at the majority of the monitoring wells sampled, levels of Trichloroethene were detected at significantly increased levels at five (5) wells.

The installation of nine (9) groundwater collection wells was completed during the past quarter. The piping plumbing and trenching was completed in August, 1991. These wells are expected to be fully operational in September 1991.

TABLE OF CONTENTS

SUBJECT PAGE

1.0 INTRODUCTION

This quarterly report, submitted on behalf of Kearney-National (Kearney), owner of the property located at 201 West Oakton in Des Plaines, Illinois, presents information related to the installation and operation of the groundwater collection system, review of the quarterly groundwater sampling event analytical data, and a status report of the soil vapor extraction system (SVE).

2.0 GROUNDWATER COLLECTION SYSTEM

Nine (9) groundwater purge wells, PW-13 through PW-21, were installed and developed during the past quarter. The final two (2) purge wells are awaiting completion of access negotiations. Well construction diagrams and a purge well location map are provided in Appendices 1 and 2, respectively. Wells 10 and 11 have been in operation since January 1991. Wells 1 through 9 commenced extraction in February 1991.

Review of analytical results for groundwater collection system effluent indicate that the system is meeting all discharge requirements. Through August 27, 1991, the system has treated 145,715 gallons of groundwater.

3.0 GROUNDWATER MONITORING

On July 25, 1991, sampling was performed on 19 monitoring wells as part of the quarterly monitoring program. In the revised July 10, 1991 letter from IEPA to IPM, the IEPA conditionally approved a modified groundwater monitoring system consisting of 24 wells. This modified monitoring system was not followed at the July 1991 sampling event since a response from Kearney was being prepared.

All samples were collected in 40-ml EPA vials with teflon lids, placed on ice, and transferred to the ASI analytical laboratory. Samples were analyzed using EPA Methods 8010 and 8020 in accordance with EPA 600/4-79-020, Methods for Chemical Analysis of Water and Waste and SW 846, Test Methods for Evaluating Solid Waste Chemical and Physical Characteristics. Field quality assurance/quality control procedures included collecting a bailer blank and 10% duplicates as outlined in the original closure plan.

Analytical data from this sampling event are reported on chemical analysis form LPC 160, refer to Appendix 3. Groundwater analytical data sheets are included as Appendix 4. Static water level information for these wells is included as Appendix 5.

Generally, half of the monitoring wells have levels of groundwater impact greater than the approved groundwater cleanup objectives. For the most part levels of organic constituents continue to decrease across the site, in many cases by more than half since the July quarterly report. A significant decrease in the level of Trichloroethene was observed in MW-1 which, during the April sampling event, was present in MW-1 at 9,600 ppb and was observed to be non-detectable during the most recent quarterly sampling event. However, levels of Trichloroethene were detected in MW-12 at nearly two times greater than, in 14A at more than ten times greater than, in 14D at more than ten times greater than, in 17B at three times greater than, and in 18A 1 1/4 times greater than respective levels observed during the past quarterly sampling event. Levels above cleanup objectives were detected as follows: cis-1,2-Dichloroethane was detected in monitoring wells MW-1, 4B, 14C, and 18A; Tetrachloroethene was detected in MW-1, and 14A; and Trichloroethene was detected in MW-4B, 9, 12, 14A, 14C, 14D, 17B, 18A, 18B.

4.0 VAPOR PHASE VACUUM EXTRACTION

Kearney has completed the installation of the SVE system and is awaiting approval of the final system design by the IEPA. Final SVE design was

submitted to the IEPA in the July 1991 quarterly report. Kearney will soon propose criteria to demonstrate the effectiveness of the SVE system.

5.0 SUMMARY

Analytical results from the quarterly groundwater sampling event indicate that while levels of organic constituents continue to decrease across the site at the majority of the monitoring wells sampled, levels of Trichloroethene were detected at significantly increased levels at five (5) wells.

APPENDIX 1

WELL CONSTRUCTION DIAGRAMS

Illinois Environmental Protection Agency

Well Completion Report

Site #: 0310635072 County COOK Well # PW-13

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: ASI Environmental Technologies Date Drilled Start: 7-1-91

Driller: Ernie Dixon Geologist: Steve Rohr Date Completed: 7-2-91

Drilling Method: Hollow Stem Auger Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): Granular

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

Well Construction Materials

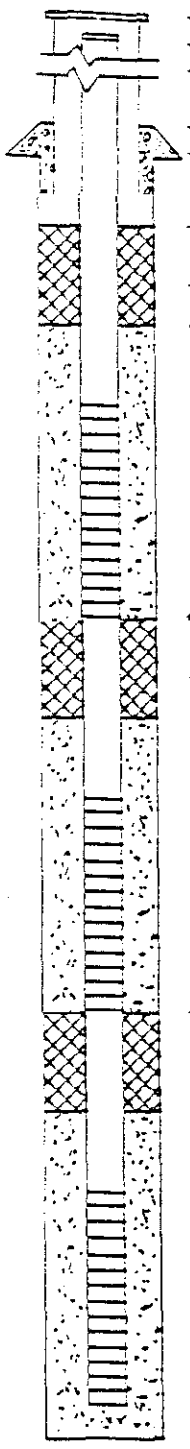
	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.			4"PVC	
Riser pipe below w.t.			"	
Screen			"	
Coupling joint screen to riser				
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	25' Total
Protective casing length	
Screen length	60' Total
Bottom of screen to end cap	10'
Top of screen to first joint	see diagram
Total length of casing	
Screen slot size	0.010
# of openings in screen	
Diameter of borehole (in)	11.5"
ID of riser pipe (in)	4 "

Elevations — .01 ft.



		MSL Top of Protective Casing
		MSL Top of Riser Pipe
	0	ft. Casing Stickup
		MSL Ground Surface
		ft. Top of annular sealant
	.58	ft. Top of Seal
	5	ft. Total Seal Interval
	5	ft. Top of Sand
	5	ft. Top of Screen
	25	ft. Total Screen Interval
	30	ft. Top of Seal
	5	ft. Total Seal Interval
	35	ft. Top of Sand
	35	ft. Top of Screen
	20	ft. Total Screen Interval
	55	ft. Top of Seal
	5	ft. Total Seal Interval
	60	ft. Top of Sand
	60	ft. Top of Screen
	15	ft. Total Screen Interval
	75	ft. Bottom of Screen
	85.58	ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

Illinois Environmental Protection Agency

Well Completion Report

Site #: 0310635072 County COOK Well # PW-14

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: ASI Environmental Technologies Date Drilled Start: 7-2-91

Driller: Ernie Dixon Geologist: Steve Rohr Date Completed: 7-3-91

Drilling Method: Hollow Stem Auger Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): Granular

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

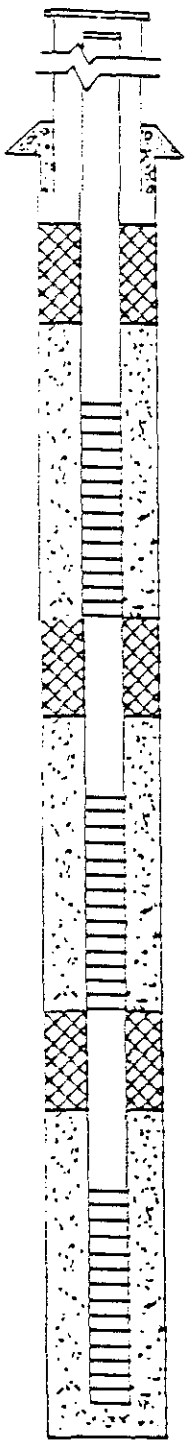
Well Construction Materials

	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.			4"PVC	
Riser pipe below w.t.			"	
Screen			"	
Coupling joint screen to riser				
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	25' Total
Protective casing length	
Screen length	60' Total
Bottom of screen to end cap	10'
Top of screen to first joint	see diagram
Total length of casing	
Screen slot size	0.010
# of openings in screen	
Diameter of borehole (in)	11.5"
ID of riser pipe (in)	4"



Elevations — .01 ft.

		MSL Top of Protective Casing
		MSL Top of Riser Pipe
	0	ft. Casing Stickup
		MSL Ground Surface
		ft. Top of annular sealant
	.58	ft. Top of Seal
	5	ft. Total Seal Interval
	5	ft. Top of Sand
	5	ft. Top of Screen
	25	ft. Total Screen Interval
	30	ft. Top of Seal
	5	ft. Total Seal Interval
	35	ft. Top of Sand
	35	ft. Top of Screen
	20	ft. Total Screen Interva
	55	ft. Top of Seal
	5	ft. Total Seal Interval
	60	ft. Top of Sand
	60	ft. Top of Screen
	15	ft. Total Screen Interval
	75	ft. Bottom of Screen
	85.58	ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

Illinois Environmental Protection Agency

Well Completion Report

Site #: 0310635072 County COOK Well # PW-15

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: ASI Environmental Technologies Date Drilled Start: 6-26-91

Driller: Ernie Dixon Geologist: Steve Rohr Date Completed: 6-27-91

Drilling Method: Hollow Stem Auger Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): Granular

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

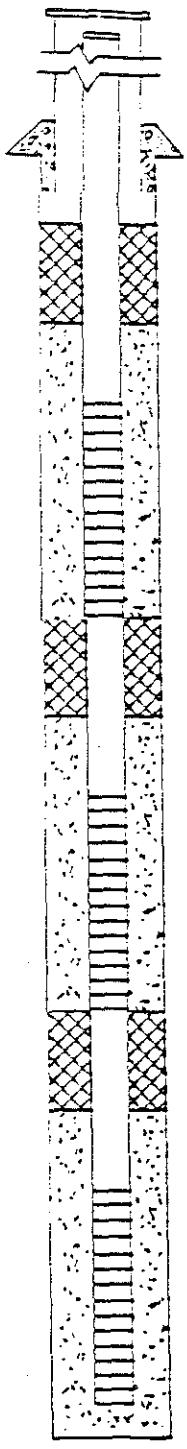
Well Construction Materials

	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.				
Riser pipe below w.t.			4"PVC	
Screen			"	
Coupling joint screen to riser			"	
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	25' Total
Protective casing length	
Screen length	60' Total
Bottom of screen to end cap	10'
Top of screen to first joint	see diagram
Total length of casing	
Screen slot size	0.010
# of openings in screen	
Diameter of borehole (in)	11.5"
ID of riser pipe (in)	4"



Elevations – .01 ft.

		MSL Top of Protective Casing
		MSL Top of Riser Pipe
	0	ft. Casing Stickup
		MSL Ground Surface
		ft. Top of annular sealant
	.58	ft. Top of Seal
	5	ft. Total Seal Interval
	5	ft. Top of Sand
	5	ft. Top of Screen
	25	ft. Total Screen Interval
	30	ft. Top of Seal
	5	ft. Total Seal Interval
	35	ft. Top of Sand
	35	ft. Top of Screen
	20	ft. Total Screen Interva
	55	ft. Top of Seal
	5	ft. Total Seal Interval
	60	ft. Top of Sand
	60	ft. Top of Screen
	15	ft. Total Screen Interval
	75	ft. Bottom of Screen
	85.58	ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

Illinois Environmental Protection Agency

Well Completion Report

Site #: 0310635072 County COOK Well # PW-16

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: ASI Environmental Technologies Date Drilled Start: 6-25-91

Driller: Ernie Dixon Geologist: Steve Rohr Date Completed: 6-25-91

Drilling Method: Hollow Stem Auger Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): Granular

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

Well Construction Materials

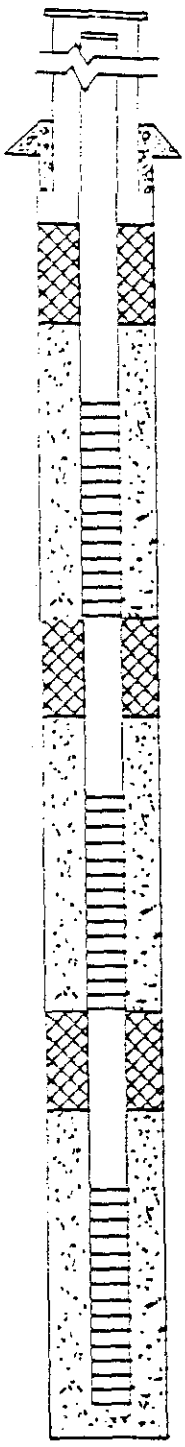
	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.			4"PVC	
Riser pipe below w.t.			"	
Screen			"	
Coupling joint screen to riser				
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	25' Total
Protective casing length	
Screen length	60' Total
Bottom of screen to end cap	10'
Top of screen to first joint	see diagram
Total length of casing	
Screen slot size	0.010
# of openings in screen	
Diameter of borehole (in)	11.5"
ID of riser pipe (in)	4"

Elevations — .01 ft.



_____	_____	MSL Top of Protective Casing
_____	_____	MSL Top of Riser Pipe
_____	0	ft. Casing Stickup
_____	_____	MSL Ground Surface
_____	_____	ft. Top of annular sealant
_____	58	ft. Top of Seal
_____	5	ft. Total Seal Interval
_____	5	ft. Top of Sand
_____	5	ft. Top of Screen
_____	25	ft. Total Screen Interval
_____	30	ft. Top of Seal
_____	5	ft. Total Seal Interval
_____	35	ft. Top of Sand
_____	35	ft. Top of Screen
_____	20	ft. Total Screen Interva
_____	55	ft. Top of Seal
_____	5	ft. Total Seal Interval
_____	60	ft. Top of Sand
_____	60	ft. Top of Screen
_____	15	ft. Total Screen Interval
_____	75	ft. Bottom of Screen
_____	85.58	ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

Illinois Environmental Protection Agency

Well Completion Report

Site #: 0310635072 County COOK Well # PW-17

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: Layne-Western Date Drilled Start: 7-10-91

Driller: _____ Geologist: Steve Rohr Date Completed: 7-11-91

Drilling Method: Hollow Stem Augers Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): Granular

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

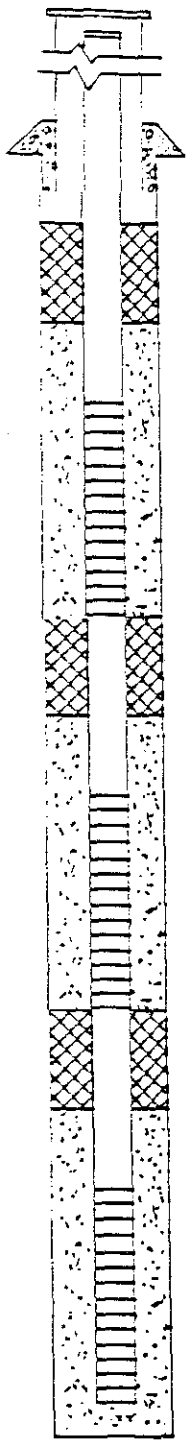
Well Construction Materials

	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.			4"PVC	
Riser pipe below w.t.			"	
Screen			"	
Coupling joint screen to riser				
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	23' Total
Protective casing length	
Screen length	50' Total
Bottom of screen to end cap	10'
Top of screen to first joint	
Total length of casing	
Screen slot size	0.010
# of openings in screen	
Diameter of borehole (in)	11.5"
ID of riser pipe (in)	4"



Elevations — .01 ft.

_____	_____	MSL Top of Protective Casing
_____	_____	MSL Top of Riser Pipe
_____	2	ft. Casing Stickup
_____	_____	MSL Ground Surface
_____	0	ft. Top of annular sealant
_____	0	ft. Top of Seal
_____	3	ft. Total Seal Interval
_____	3	ft. Top of Sand
_____	3	ft. Top of Screen
_____	25	ft. Total Screen Interval
_____	28	ft. Top of Seal
_____	5	ft. Total Seal Interval
_____	33	ft. Top of Sand
_____	33	ft. Top of Screen
_____	15	ft. Total Screen Interva
_____	48	ft. Top of Seal
_____	5	ft. Total Seal Interval
_____	53	ft. Top of Sand
_____	53	ft. Top of Screen
_____	10	ft. Total Screen Interval
_____	63	ft. Bottom of Screen
_____	73	ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

Illinois Environmental Protection Agency — Well Completion Report

Site #: 0310635072 County COOK Well # PW-18

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: Layne-Western Date Drilled Start: 7-11-91

Driller: _____ Geologist: Steve Rohr Date Completed: 7-12-91

Drilling Method: Hollow Stem Auger Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): Granular

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

Well Construction Materials

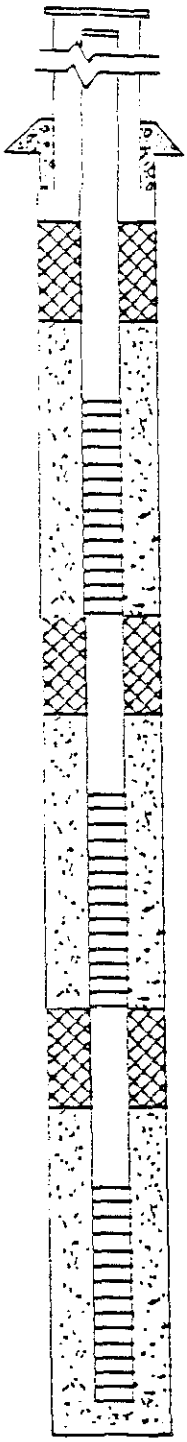
	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.			4"PVC	
Riser pipe below w.t.			"	
Screen			"	
Coupling joint screen to riser				
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	23' Total
Protective casing length	
Screen length	50' Total
Bottom of screen to end cap	10'
Top of screen to first joint	
Total length of casing	
Screen slot size	0.010
# of openings in screen	
ameter of borehole (in)	11.5"
ID of riser pipe (in)	4"

Elevations — .01 ft.



_____	_____	MSL Top of Protective Casing
_____	_____	MSL Top of Riser Pipe
_____	2	ft. Casing Stickup
_____	_____	MSL Ground Surface
_____	0	ft. Top of annular sealant
_____	0	ft. Top of Seal
_____	3	ft. Total Seal Interval
_____	3	ft. Top of Sand
_____	3	ft. Top of Screen
_____	25	ft. Total Screen Interval
_____	28	ft. Top of Seal
_____	5	ft. Total Seal Interval
_____	33	ft. Top of Sand
_____	33	ft. Top of Screen
_____	15	ft. Total Screen Interval
_____	48	ft. Top of Seal
_____	5	ft. Total Seal Interval
_____	53	ft. Top of Sand
_____	53	ft. Top of Screen
_____	10	ft. Total Screen Interval
_____	63	ft. Bottom of Screen
_____	73	ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

Illinois Environmental Protection Agency

Well Completion Report

Site #: 0310635072 County COOK Well # PW-19

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: ASI Environmental Technologies Date Drilled Start: 6-19-91

Driller: Ernie Dixon Geologist: Steve Rohr Date Completed: 6-19-91

Drilling Method: Hollow Stem Auger Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): Granular

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

Well Construction Materials

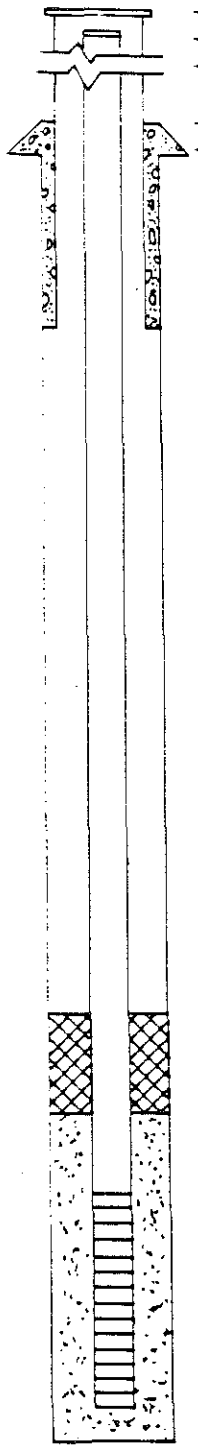
	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.			4"PVC	
Riser pipe below w.t.			"	
Screen			"	
Coupling joint screen to riser				
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	5'
Protective casing length	
Screen length	30'
Bottom of screen to end cap	
Top of screen to first joint	
Total length of casing	
Screen slot size	0.010
# of openings in screen	
Diameter of borehole (in)	11.5"
ID of riser pipe (in)	4"

Elevations — .01 ft.



_____ _____ MSL Top of Protective Casing

_____ _____ MSL Top of Riser Pipe

_____ 0 ft. Casing Stickup

_____ _____ MSL Ground Surface

_____ 0 ft. Top of annular sealant

_____ 0.25 ft. Top of Seal

_____ 5 ft. Total Seal Interval

_____ 3' ft. Top of Sand

_____ 5.25 ft. Top of Screen

_____ 30 ft. Total Screen Interval

_____ 35.25 ft. Bottom of Screen

_____ 35.25 ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

Illinois Environmental Protection Agency

Well Completion Report

Site #: 0310635072 County COOK Well # PW-20

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: ASI. Environmental Technologies Date Drilled Start: 6-20-91

Driller: Ernie Dixon Geologist: Steve Rohr Date Completed: 6-20-91

Drilling Method: Hollow Stem Auger Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): Granular

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

Well Construction Materials

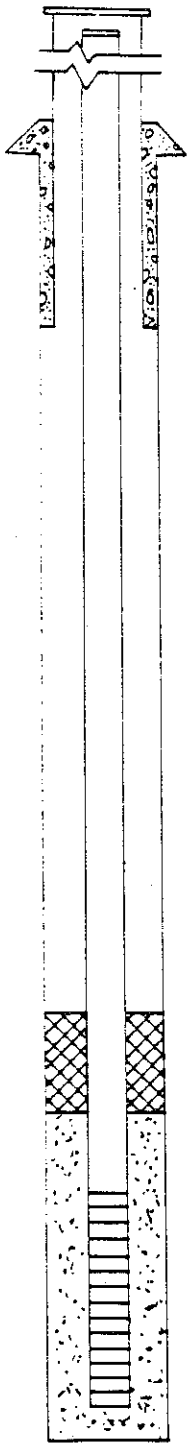
	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.			4"PVC	
Riser pipe below w.t.			"	
Screen			"	
Coupling joint screen to riser				
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	4.75'
Protective casing length	
Screen length	30.25'
Bottom of screen to end cap	0
Top of screen to first joint	
Total length of casing	
Screen slot size	0.010
# of openings in screen	
Diameter of borehole (in)	11.5"
ID of riser pipe (in)	4"

Elevations — .01 ft.



_____ _____ MSL Top of Protective Casing

_____ _____ MSL Top of Riser Pipe

_____ 0 ft. Casing Stickup

_____ _____ MSL Ground Surface

_____ 0 ft. Top of annular sealant

_____ 0.25 ft. Top of Seal

_____ 4.75 ft. Total Seal Interval

_____ 3' ft. Top of Sand

_____ 5 ft. Top of Screen

_____ 30.25 ft. Total Screen Interval

_____ 35.25 ft. Bottom of Screen

_____ 35.25 ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

Illinois Environmental Protection Agency — Well Completion Report

Site #: 0310635072 County COOK Well = PW-21

Site Name: International Products & Mfg. Grid Coordinate: Northing _____ Easting _____

Drilling Contractor: Layne-Western Date Drilled Start: 7-15-91

Driller: _____ Geologist: Steve Rohr Date Completed: 7-16-91

Drilling Method: Hollow Stem Augers Drilling Fluids (type): _____

Annular Space Details

Type of Surface Seal: Holeplug

Type of Annular Sealant: Bentonite

Amount of cement: # of bags _____ lbs. per bag _____

Amount of bentonite: # of bags _____ lbs. per bag _____

Type of Bentonite Seal (Granular, Pellet): _____

Amount of bentonite: # of Bags _____ lbs. per bag _____

Type of Sand Pack: Sand #5

Source of Sand: Global Drilling

Amount of Sand: # of bags _____ lbs. per bag _____

Well Construction Materials

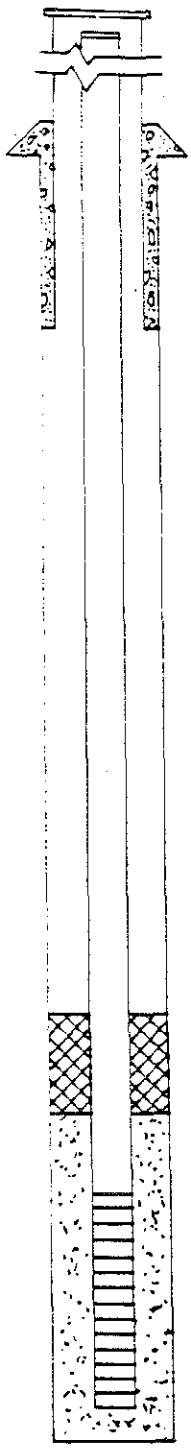
	Stainless Steel Specify Type	Teflon Specify Type	PVC Specify Type	Other Specify Type
Riser coupling joint				
Riser pipe above w.t.			4"PVC	
Riser pipe below w.t.			"	
Screen			"	
Coupling joint screen to riser				
Protective casing				

Measurements

to .01 ft. (where applicable)

Riser pipe length	5'
Protective casing length	
Screen length	20'
Bottom of screen to end cap	0
Top of screen to first joint	
Total length of casing	
Screen slot size	0.010
# of openings in screen	
Diameter of borehole (in)	11.5"
ID of riser pipe (in)	4"

Elevations — .01 ft.



_____ _____ MSL Top of Protective Casing

_____ _____ MSL Top of Riser Pipe

_____ 2 ft. Casing Stickup

_____ _____ MSL Ground Surface

_____ 0 ft. Top of annular sealant

_____ 0 ft. Top of Seal

_____ 5 ft. Total Seal Interval

_____ 5 ft. Top of Sand

_____ 5 ft. Top of Screen

_____ 20 ft. Total Screen Interval

_____ 25 ft. Bottom of Screen

_____ 25 ft. Bottom of Borehole

Completed by _____ Surveyed by: _____ Ill. registration # _____

APPENDIX 2

PURGE WELL LOCATION MAP

IPM GROUNDWATER SAMPLING

July 1991

WELLS CONSTITUENTS	1	2	4A	4B	5A	5AR	5B	9	12	14A
c-1,2-Dichloroethene	3300	ND	ND	470	ND	ND	ND	ND	ND	64
Tetrachloroethene	69	ND	ND	ND	ND	ND	ND	ND	ND	160
111-Trichloroethane	31	ND	ND	ND	ND	ND	ND	ND	ND	ND
112-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	140	ND	ND	ND	620	1500	15000
TOTAL COMPOUNDS	3400	0	0	610	0	0	0	620	1500	15000

WELLS CONSTITUENTS	16A	17A	17AR	17B	18A	18B	20A	20B	22A
c-1,2-Dichloroethene	ND	ND	ND	33	470	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
111-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
112-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	1	1	1800	15000	2000	7	ND	6
TOTAL COMPOUNDS	0	1	1	1833	15470	2000	7	0	6

APPENDIX 3

CHEMICAL ANALYSIS FORMS

CODE L | P | C | S | M | 0 | 1 | TRANS CODE | A |

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) | FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 | MONITOR POINT NUMBER (see Instructions) M W 0 1

REGION Maywood CO. Cook RCRA | DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM

FACILITY NAME | IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY | COMPLAINT NO.

DATE RECEIVED M / D / Y

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD

PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) | TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) | OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) | ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter (COLLECTED BY) LDP (INITIALS) | ASI (DIVISION OR COMPANY) | (TRANSPORTED BY) | ASI (DIVISION OR COMPANY)

LAB USE ONLY

LAB SAMPLE NO. | LAB NAME | LAB ID NO.

DATE RECEIVED 07-26-91 | AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) | SAMPLE PROPERLY PRESERVED (Y/N) | DATE COMPLETED 08-05-91 | FORWARD

LAB COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A | (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3.						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

2-1218
490 (Rev. 10/84)

*Only Keypunch Lines with Data in Columns 15 or Columns 26-47

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 1

DATE COLLECTED 07 / 25 / 91
M D Y

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	100		
BROMOFORM	32104			<	100		
BROMOMETHANE (Methyl Bromide)	34413			<	100		
CARBON TETRACHLORIDE	32102			<	100		
CHLOROBENZENE	34301			<	100		
CHLOROETHANE	34311			<	100		
2-CHLOROETHYL VINYL ETHER				<	100		
CHLOROFORM	32106			<	100		
CHLOROMETHANE	34418			<	100		
DIBROMOCHLOROMETHANE	32105			<	100		
1,2-DICHLOROBENZENE	34536			<	100		
1,3-DICHLOROBENZENE	34566			<	100		
1,4-DICHLOROBENZENE	34571			<	100		
DICHLORODIFLUOROMETHANE	34668			<	100		
1,1-DICHLOROETHANE	34496			<	100		
1,2-DICHLOROETHANE	34531			<	100		
t-1,2-DICHLOROETHANE	34546			<	100		
1,2-DICHLOROPROPANE	34541			<	100		
c-1,3-DICHLOROPROPANE	34704			<	100		
t-1,3-DICHLOROPROPANE	34699			<	100		
METHYLENE CHLORIDE	34423			<	100		
1,1,2,2-TETRACHLOROETHANE	34516			<	100		
TETRACHLOROETHENE	34475				69		
1,1,1-TRICHLOROETHANE	34506				31		
1,1,2-TRICHLOROETHANE	34511			<	100		
TRICHLOROETHENE	39180			<	100		
TRICHLOROFLUOROMETHANE	34488			<	100		
VINYL CHLORIDE	39175			<	100		

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C 3 M 0 1 2 (1–6) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood (19–20) CO. Cook (21–23) RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 1 (19–22)

DATE COLLECTED 07 (25 M) / 25 (D) / 91 (YR 26–27)

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627				3300		

*Only Keypunch Lines with Data in Column 25 or Columns 28-47

CODE | L | P | C | S | M | 0 | 1 | TRANS CODE | A |

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 0 2 (see Instructions)

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM
FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY | COMPLAINT NO.

DATE RECEIVED (M / D / Y)

SAMPLING PURPOSE CODE (see Instructions)

NAME CARD

PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK)

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter	LDP	ASI		ASI
COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME LAB ID NO.

DATE RECEIVED 07-26-91 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-02-91 FORWARD

LAB COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE | L | P | C | S | M | 0 | 2 | TRANS CODE | A | (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3.						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

1218
0 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | 3 | M | 0 | 2 | (1–6) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

MONITOR POINT NUMBER M W 0 2 (19–22)

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (23 M / D / Y 28)

TPM

FACILITY NAME

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Data Keypunch Lines with Data in Column 25 or Columns 28-47

CHEMICAL ANALYSIS FORM

RECORD CODE | L | P | C | S | M | 0 | 2 | TRANS CODE | A |

LITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 2

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch Lines with Data in Columns 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE | A |

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 4A

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–6) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 4A (19–22)

DATE COLLECTED 07 / 25 / 91 (23 M / D / YR)

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Omit Keypunch Lines with Data in Columns 35 or Columns 38-47

CODE L | P | C | S | M | 0 | 1 | TRANS CODE L A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 0 4A (see Instructions)

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91

IPM

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY COMPLAINT NO. ______

DATE RECEIVED __ / __ / __

SAMPLING PURPOSE CODE __ (see Instructions)

TIME CARD PROGRAM CODE __ & UNIT CODE __

BACKGROUND SAMPLE (X) __ TIME COLLECTED (24 HR CLOCK) __ : __

UNABLE TO COLLECT SAMPLE (see Instructions) __

MONITOR POINT SAMPLED BY (see Instructions) __ OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) __ ORGANICS (X) __

SAMPLE APPEARANCE ______

COLLECTOR COMMENTS ______

SPECIAL INSTRUCTIONS TO LAB ______

Larry Poynter	LDP	ASI		ASI
COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. ______ LAB NAME ______ LAB ID NO. ______

DATE RECEIVED 07-26-91 AND ADDRESS ______

TIME RECEIVED ______

SAMPLE TEMP OKAY __ (Y/N) SAMPLE PROPERLY PRESERVED __ (Y/N) DATE COMPLETED 08-02-91 FORWARD ______

LAB COMMENTS ______

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 TRANS CODE L A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	00011						
ELEVATION OF GW SURFACE (ft. ref MSL)	71993						
WELL DEPTH ELEVATION (ft. ref MSL)	72020						
DEPTH TO WATER FROM MEAS. PT. (ft)	72109						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

IL-1218
50 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

CODE L I P I C I S I M I 0 I 1 I TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 0 4B (see Instructions)

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91

IPM

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY COMPLAINT NO.

DATE RECEIVED M / D / Y

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H : M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter — COLLECTED BY; LDP — INITIALS; ASI — DIVISION OR COMPANY; TRANSPORTED BY; ASI — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME LAB ID NO.

DATE RECEIVED 07-26-91 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-05-91 FORWARD

LAB COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L I P I C I S I M I 0 I 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	00011						
ELEVATION OF GW SURFACE (ft. ref MSL)	71993						
WELL DEPTH ELEVATION (ft. ref MSL)	72020						
DEPTH TO WATER FROM MEAS. PT. (ft)	72109						

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

IL 532-1218
LPC 160 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 1 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 4B

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	5		
BROMOFORM	32104			<	5		
BROMOMETHANE (Methyl Bromide)	34413			<	5		
CARBON TETRACHLORIDE	32102			<	5		
CHLOROBENZENE	34301			<	5		
CHLOROETHANE	34311			<	5		
2-CHLOROETHYL VINYL ETHER				<	5		
CHLOROFORM	32106			<	5		
CHLOROMETHANE	34418			<	5		
DIBROMOCHLOROMETHANE	32105			<	5		
1,2-DICHLOROBENZENE	34536			<	5		
1,3-DICHLOROBENZENE	34566			<	5		
1,4-DICHLOROBENZENE	34571			<	5		
DICHLORODIFLUOROMETHANE	34668			<	5		
1,1-DICHLOROETHANE	34496			<	5		
1,2-DICHLOROETHANE	34531			<	5		
t-1,2-DICHLOROETHANE	34546			<	5		
1,2-DICHLOROPROPANE	34541			<	5		
c-1,3-DICHLOROPROPANE	34704			<	5		
t-1,3-DICHLOROPROPANE	34699			<	5		
METHYLENE CHLORIDE	34423			<	5		
1,1,2,2-TETRACHLOROETHANE	34516			<	5		
TETRACHLOROETHENE	34475			<	5		
1,1,1-TRICHLOROETHANE	34506			<	5		
1,1,2-TRICHLOROETHANE	34511			<	5		
TRICHLOROETHENE	39180				140		
TRICHLOROFLUOROMETHANE	34488			<	5		
VINYL CHLORIDE	39175			<	5		

*Only Keypunch Lines with Data in Columns 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C 3 M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

TPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 4B (19–22)

DATE COLLECTED 07 / 25 / 91 (23 M, D, Y 25)

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627				470		

*Omit Keypunch Lines with Data in Columns 25 or Columns 26-27

CODE L | P | C | S | M | 0 | 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) — FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

E INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER (see Instructions) M W 0 5A

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM

FACILITY NAME

IEPA LAB (X or Blank) (see Instructions)

FOR IEPA USE ONLY | COMPLAINT NO.

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK)

DATE RECEIVED

UNABLE TO COLLECT SAMPLE (see Instructions)

SAMPLING PURPOSE CODE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

TIME CARD

PROGRAM CODE & UNIT CODE

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter | LDP | ASI | | ASI

COLLECTED BY | INITIALS | DIVISION OR COMPANY | TRANSPORTED BY | DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. | LAB NAME | LAB ID NO.

DATE RECEIVED 07-26-91 | AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) | SAMPLE PROPERLY PRESERVED (Y/N) | DATE COMPLETED 08-05-91 | FORWARD

COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	00011						
ELEVATION OF GW SURFACE (ft. ref MSL)	71993						
WELL DEPTH ELEVATION (ft. ref MSL)	72020						
DEPTH TO WATER FROM MEAS. PT. (ft)	72109						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

I-1218
40 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–6) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

TPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 5A (19–24)

DATE COLLECTED 07 / 25 / 91 (25 M, D, Y 26)

IEPA LAB (x or Blank) (27)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	5		
TOLUENE	34010			<	5		
XYLENES	81551			<	5		
c-1,2, Dichloroethene	45627			<	1		

*Only Keypunch Lines with Data in Columns 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 5A

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (E or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch Lines with Data in Columns 35 or Columns 36-47

CODE L | P | C | S | M | 0 | 1 | TRANS CODE | A |

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

E INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER (see Instructions) M W 0 5AR

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM
FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED M / D / Y

AMPLING PURPOSE CODE (see Instructions)

IME CARD

ROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter — COLLECTED BY
LDP — INITIALS
ASI — DIVISION OR COMPANY
TRANSPORTED BY
ASI — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO.

LAB NAME AND ADDRESS

LAB ID NO.

DATE RECEIVED 07-26-91

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-02-91 FORWARD

LA OMMENTS

SUPERVISOR SIGNATURE

CORD CODE | L | P | C | S | M | 0 | 2 | TRANS CODE | A | (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3.						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

-1218
50 (Rev. 10/84)

*Only Keypunch Lines with Data in Columns 25 or Columns 26-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

LITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IEM
FACILITY NAME

MONITOR POINT NUMBER M W 0 5AR

DATE COLLECTED 07 / 25 / 91

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Omit Keypunch Lines with Data in Column 35 or Column 58-67

CHEMICAL ANALYSIS FORM

RECORD CODE L P C 3 M 0 2 (1–4) TRANS CODE A (5)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (6–18)

REGION Maywood CO. Cook RCRA

TBM
FACILITY NAME

MONITOR POINT NUMBER M W 0 5AR (19–22)

DATE COLLECTED 07 / 25 / 91 (23–28) M D Y

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Data Keypunch Lines with Data in Column 35 or Columns 36-47

CODE L | P | C | S | M | 0 | 1 | 1 — TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 0 5B (see Instructions)

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM
FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO. ______

DATE RECEIVED __ M / __ D / __ Y

SAMPLING PURPOSE CODE __ (see Instructions)

TIME CARD PROGRAM CODE __ & UNIT CODE __

BACKGROUND SAMPLE (X) __ TIME COLLECTED (24 HR CLOCK) __ H : __ M

UNABLE TO COLLECT SAMPLE (see Instructions) __

MONITOR POINT SAMPLED BY (see Instructions) __ OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) __ ORGANICS (X) __

SAMPLE APPEARANCE ______

COLLECTOR COMMENTS ______

SPECIAL INSTRUCTIONS TO LAB ______

Larry Poynter	LDP	ASI		ASI
COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. ______ LAB NAME ______ LAB ID NO. ______

DATE RECEIVED 07-26-91 AND ADDRESS ______

TIME RECEIVED ______

SAMPLE TEMP OKAY __ (Y/N) SAMPLE PROPERLY PRESERVED __ (Y/N) DATE COMPLETED 08-02-91 FORWARD ______

LAB COMMENTS ______

SUPERVISOR SIGNATURE ______

RECORD CODE L | P | C | S | M | 0 | 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	00011				.		
ELEVATION OF GW SURFACE (ft. ref MSL)	71993				.		
WELL DEPTH ELEVATION (ft. ref MSL)	72020				.		
DEPTH TO WATER FROM MEAS. PT. (ft)	72109				.		
					.		
					.		
					.		
					.		
					.		
					.		

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

IL 532-1213
LPC 40 (Rev. 10/84)

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M o 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 5B

DATE COLLECTED 07 / 25 / 91
M D Y

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch Lines with Data in Columns 45 or Columns 46-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C 3 M 0 2 (1–6) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

MONITOR POINT NUMBER M W 0 5B (19–22)

DATE COLLECTED 07 / 25 / 91 (23 M, D, Y 28)

IEPA LAB (x or Blank) (29)

IPM
FACILITY NAME

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Data Keypunch Lines with Data in Columns 25 or Columns 30-47

CODE L | P | C | S | M | 0 | 1 | 1 | CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

E INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 0 6A (see Instructions)

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED M / D / Y

AMPLING PURPOSE CODE (see Instructions)

IME CARD

ROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter | LDP | ASI | | ASI

COLLECTED BY | INITIALS | DIVISION OR COMPANY | TRANSPORTED BY | DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. | LAB NAME AND ADDRESS | LAB ID NO.

DATE RECEIVED 07-26-91

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) | SAMPLE PROPERLY PRESERVED (Y/N) | DATE COMPLETED 08-02-91 | FORWARD

LA OMMENTS

SUPERVISOR SIGNATURE

CORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 3 .						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

1218

50 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 15 or Columns 26 & 27

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | S | M | 0 | 1 | 2 | TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER MW 06A

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Data Keypunch Lines with Data in Columns 25 or Columns 28-47

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | S | M | 0 | 3 | (1) TRANS CODE A (8)

SITE INVENTORY NUMBER (9) 0 3 1 0 6 3 5 0 7 2 (18)

REGION Maywood CO. Cook RCRA

TDM
FACILITY NAME

MONITOR POINT NUMBER M W 0 6A (19 / 22)

DATE COLLECTED 07 / 25 / 91 (23 M / D / YR)

IEPA LAB (E or Blank) (25)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030 (30)	(35)	(36)	< (37)	1 (38-44)	(45)	(46)
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Units Keypunch Leave with Data in Columns 35 or Columns 38-47

CODE L I P C S M 0 1 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) | FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM

FACILITY NAME

MONITOR POINT NUMBER M W 0 6B (see Instructions)

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY | COMPLAINT NO.

DATE RECEIVED M / D / Y

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD

PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter | LDP | ASI | | ASI

COLLECTED BY | INITIALS | DIVISION OR COMPANY | TRANSPORTED BY | DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. | LAB NAME | LAB ID NO.

DATE RECEIVED 07-26-91 | AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) | SAMPLE PROPERLY PRESERVED (Y/N) | DATE COMPLETED 08-06-91 FORWARD

COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L I P C S M 0 1 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	*		< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3.						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

2-1218
150 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 15 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 6B

DATE COLLECTED 07 / 25 / 91
M D Y

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch Lines with Data in Column 25 or Columns 28-47

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | S | M | 0 | 2 (1–6) TRANS CODE A (7–8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

FACILITY NAME IPM

MONITOR POINT NUMBER M W 0 6B (19–22)

DATE COLLECTED 07 / 25 / 91 (23–28) M D Y

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Units Keypunch Lines with Data in Columns 35 or Columns 38-47

CODE L | P | C | S | M | 0 | 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 RCRA

REGION Maywood CO. Cook

IPM

FACILITY NAME

MONITOR POINT NUMBER M W 0 9 (see Instructions)

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY COMPLAINT NO.

DATE RECEIVED M / D / Y

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD

PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter	LDP	ASI		ASI
COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME LAB ID NO.

DATE RECEIVED 07-26-91 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-06-91 FORWARD

LAB COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER				< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1							
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3							
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0							
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9							

This Agency is authorized to require this information under Illinois Revised Statutes 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center -1218

50 (Rev. 10/84) *Only Keypunch Lines with Data in Columns 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 9

DATE COLLECTED 07 / 25 / 91
M D Y

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	25		
BROMOFORM	32104			<	25		
BROMOMETHANE (Methyl Bromide)	34413			<	25		
CARBON TETRACHLORIDE	32102			<	25		
CHLOROBENZENE	34301			<	25		
CHLOROETHANE	34311			<	25		
2-CHLOROETHYL VINYL ETHER				<	25		
CHLOROFORM	32106			<	25		
CHLOROMETHANE	34418			<	25		
DIBROMOCHLOROMETHANE	32105			<	25		
1,2-DICHLOROBENZENE	34536			<	25		
1,3-DICHLOROBENZENE	34566			<	25		
1,4-DICHLOROBENZENE	34571			<	25		
DICHLORODIFLUOROMETHANE	34668			<	25		
1,1-DICHLOROETHANE	34496			<	25		
1,2-DICHLOROETHANE	34531			<	25		
c-1,2-DICHLOROETHANE	34546			<	25		
1,2-DICHLOROPROPANE	34541			<	25		
c-1,3-DICHLOROPROPANE	34704			<	25		
t-1,3-DICHLOROPROPANE	34699			<	25		
METHYLENE CHLORIDE	34423			<	25		
1,1,2,2-TETRACHLOROETHANE	34516			<	25		
TETRACHLOROETHENE	34475			<	25		
1,1,1-TRICHLOROETHANE	34506			<	25		
1,1,2-TRICHLOROETHANE	34511			<	25		
TRICHLOROETHENE	39180				620		
TRICHLOROFLUOROMETHANE	34488			<	25		
VINYL CHLORIDE	39175			<	25		

*Only Keypunch Lines with Data in Columns 25 or Columns 26-47

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | 3 | M | 0 | 2 | (1–6) TRANS CODE A (7–8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 0 9 (19–22)

DATE COLLECTED 07 / 25 / 91 (23 M / D / Y 25)

IEPA LAB (x or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	25		
TOLUENE	34010			<	25		
XYLENES	81551			<	25		
c-1,2, Dichloroethene	45627			<	25		

*Data Keypunch Lines with Data in Column 35 or Columns 36-47

CODE L | P | C | S | M | 0 | 1 | TRANS CODE | A |

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

E INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 1 2 (see Instructions)

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED M / D / Y

AMPLING PURPOSE CODE (see Instructions)

IME CARD

ROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter | LDP | ASI | | ASI

COLLECTED BY | INITIALS | DIVISION OR COMPANY | TRANSPORTED BY | DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. | LAB NAME | LAB ID NO.

DATE RECEIVED 07-26-91 | AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) | SAMPLE PROPERLY PRESERVED (Y/N) | DATE COMPLETED 08-08-91 | FORWARD

LA OMMENTS

SUPERVISOR SIGNATURE

CORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A | (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3.						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

1-1218

50 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 1 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 1 2

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91

IEPA LAB (x or Blank)

IPM
FACILITY NAME

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	25		
BROMOFORM	32104			<	25		
BROMOMETHANE (Methyl Bromide)	34413			<	25		
CARBON TETRACHLORIDE	32102			<	25		
CHLOROBENZENE	34301			<	25		
CHLOROETHANE	34311			<	25		
2-CHLOROETHYL VINYL ETHER				<	25		
CHLOROFORM	32106			<	25		
CHLOROMETHANE	34418			<	25		
DIBROMOCHLOROMETHANE	32105			<	25		
1,2-DICHLOROBENZENE	34536			<	25		
1,3-DICHLOROBENZENE	34566			<	25		
1,4-DICHLOROBENZENE	34571			<	25		
DICHLORODIFLUOROMETHANE	34668			<	25		
1,1-DICHLOROETHANE	34496			<	25		
1,2-DICHLOROETHANE	34531			<	25		
t-1,2-DICHLOROETHANE	34546			<	25		
1,2-DICHLOROPROPANE	34541			<	25		
c-1,3-DICHLOROPROPANE	34704			<	25		
t-1,3-DICHLOROPROPANE	34699			<	25		
METHYLENE CHLORIDE	34423			<	25		
1,1,2,2-TETRACHLOROETHANE	34516			<	25		
TETRACHLOROETHENE	34475			<	25		
1,1,1-TRICHLOROETHANE	34506			<	25		
1,1,2-TRICHLOROETHANE	34511			<	25		
TRICHLOROETHENE	39180				1500		
TRICHLOROFLUOROMETHANE	34488			<	25		
VINYL CHLORIDE	39175			<	25		

*Data Keypunch Lines with Data in Columns 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–6) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

TPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 2 (19–22)

DATE COLLECTED 07 / 25 / 91 (23 M, D, Y 25)

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	25		
TOLUENE	34010			<	25		
XYLENES	81551			<	25		
c-1,2, Dichloroethene	45627			<	25		

*Data Keypunch Lines with Data in Columns 25 or Columns 26-47

RECORD CODE L | P | C | S | M | 0 | 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) (cols 36-41)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (cols 9-18)

REGION Maywood CO. Cook RCRA

IPM

FACILITY NAME

MONITOR POINT NUMBER M W 1 4A (see Instructions) (cols 19-22)

DATE COLLECTED 07 / 25 / 91 (M / D / Y) (cols 23-29)

IEPA LAB (x or Blank) (see Instructions) 29

FOR IEPA USE ONLY

COMPLAINT NO. 30-35

DATE RECEIVED 42 M / D / Y 47

SAMPLING PURPOSE CODE 48 (see Instructions)

TIME CARD

PROGRAM CODE 49-52 & UNIT CODE 53

BACKGROUND SAMPLE (X) 54

TIME COLLECTED (24 HR CLOCK) 55 H M 58

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) 60 OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) 61 ORGANICS (X) 62

SAMPLE APPEARANCE 63-102

COLLECTOR COMMENTS 103-142

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter	LDP	ASI		ASI
COLLECTED BY	INITIALS (143-145)	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. _____ LAB NAME _____ LAB ID NO. 146-149

DATE RECEIVED 07-26-91 AND ADDRESS _____

TIME RECEIVED _____

SAMPLE TEMP OKAY (Y/N) _____ SAMPLE PROPERLY PRESERVED (Y/N) _____ DATE COMPLETED 08-08-91 FORWARD _____

LAB COMMENTS 150-159

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (20-34)	(35)	(36)	OR < (37)	VALUE (38-47)	REPORTING LEVEL (48-57)
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1					
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3.					
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0					
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9					

This Agency is authorized to require this information under Illinois Revised Statutes 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

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50 (Rev. 10/84)

*Only Keypunch Lines with Data in Columns 35 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 1 4A

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (E or Blank)

IPM
FACILITY NAME

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	25		
BROMOFORM	32104			<	25		
BROMOMETHANE (Methyl Bromide)	34413			<	25		
CARBON TETRACHLORIDE	32102			<	25		
CHLOROBENZENE	34301			<	25		
CHLOROETHANE	34311			<	25		
2-CHLOROETHYL VINYL ETHER				<	25		
CHLOROFORM	32106			<	25		
CHLOROMETHANE	34418			<	25		
DIBROMOCHLOROMETHANE	32105			<	25		
1,2-DICHLOROBENZENE	34536			<	25		
1,3-DICHLOROBENZENE	34566			<	25		
1,4-DICHLOROBENZENE	34571			<	25		
DICHLORODIFLUOROMETHANE	34668			<	25		
1,1-DICHLOROETHANE	34496			<	25		
1,2-DICHLOROETHANE	34531			<	25		
t-1,2-DICHLOROETHANE	34546			<	25		
1,2-DICHLOROPROPANE	34541			<	25		
c-1,3-DICHLOROPROPANE	34704			<	25		
t-1,3-DICHLOROPROPANE	34699			<	25		
METHYLENE CHLORIDE	34423			<	25		
1,1,2,2-TETRACHLOROETHANE	34516			<	25		
TETRACHLOROETHENE	34475				160		
1,1,1-TRICHLOROETHANE	34506			<	25		
1,1,2-TRICHLOROETHANE	34511			<	25		
TRICHLOROETHENE	39180				15,000		
TRICHLOROFLUOROMETHANE	34488			<	25		
VINYL CHLORIDE	39175			<	25		

*Data Keypunch Lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–6) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 4A (19–22)

DATE COLLECTED 07 / 25 / 91 (23–28) M D Y

IEPA LAB (x or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	25		
TOLUENE	34010			<	25		
XYLENES	81551			<	25		
c-1,2, Dichloroethene	45627				64		

*Only Keypunch Lines with Data in Columns 15 or Columns 38-47

CODE L | P | C | S | M | 0 | 1 | TRANS CODE | A |

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 MONITOR POINT NUMBER (see Instructions) M W 1 4C

REGION Maywood CO. Cook RCRA DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM
FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED (M / D / Y)

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter | LDP | ASI | | ASI
COLLECTED BY | INITIALS | DIVISION OR COMPANY | TRANSPORTED BY | DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. | LAB NAME | LAB ID NO.

DATE RECEIVED 07-26-91 | AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) | SAMPLE PROPERLY PRESERVED (Y/N) | DATE COMPLETED 08-06-91 | FORWARD

LAB COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A | (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

2-1218
140 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 15 or Columns 26-47

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 1 4C

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM

FACILITY NAME

IEPA LAB (E or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	*		< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	25		
BROMOFORM	32104			<	25		
BROMOMETHANE (Methyl Bromide)	34413			<	25		
CARBON TETRACHLORIDE	32102			<	25		
CHLOROBENZENE	34301			<	25		
CHLOROETHANE	34311			<	25		
2-CHLOROETHYL VINYL ETHER				<	25		
CHLOROFORM	32106			<	25		
CHLOROMETHANE	34418			<	25		
DIBROMOCHLOROMETHANE	32105			<	25		
1,2-DICHLOROBENZENE	34536			<	25		
1,3-DICHLOROBENZENE	34566			<	25		
1,4-DICHLOROBENZENE	34571			<	25		
DICHLORODIFLUOROMETHANE	34668			<	25		
1,1-DICHLOROETHANE	34496			<	25		
1,2-DICHLOROETHANE	34531			<	25		
t-1,2-DICHLOROETHANE	34546			<	25		
1,2-DICHLOROPROPANE	34541			<	25		
c-1,3-DICHLOROPROPANE	34704			<	25		
t-1,3-DICHLOROPROPANE	34699			<	25		
METHYLENE CHLORIDE	34423			<	25		
1,1,2,2-TETRACHLOROETHANE	34516			<	25		
TETRACHLOROETHENE	34475			<	25		
1,1,1-TRICHLOROETHANE	34506			<	25		
1,1,2-TRICHLOROETHANE	34511			<	25		
TRICHLOROETHENE	39180				620		
TRICHLOROFLUOROMETHANE	34488			<	25		
VINYL CHLORIDE	39175			<	25		

*Omit Keypunch Lines with Data in Columns 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–6) TRANS CODE A (6)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (7–18)

REGION Maywood CO. Cook RCRA

TPM

FACILITY NAME

MONITOR POINT NUMBER M W 1 4C (19–22)

DATE COLLECTED 07 / 25 / 91 (23–28) M D YR

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	25		
TOLUENE	34010			<	25		
XYLENES	81551			<	25		
c-1,2, Dichloroethene	45627			<	25		

*Only Keypunch Lines with Data in Columns 45 or Columns 58-67

CODE L | P | C | S | M | 0 | 1 | (1–8) CODE A (9)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 (M) / 01 (D) / 91 (Y) (35–41)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

MONITOR POINT NUMBER (see Instructions) M W 1 4D (19–22)

REGION Maywood (LPM) CO. Cook RCRA

FACILITY NAME

DATE COLLECTED 07 (M) / 25 (D) / 91 (Y) (23–29)

IEPA LAB (x or Blank) (see Instructions) (29)

FOR IEPA USE ONLY

COMPLAINT NO. (30–35)

DATE RECEIVED (42) M / D / Y (47)

SAMPLING PURPOSE CODE (48) (see Instructions)

TIME CARD

PROGRAM CODE (49–51) & UNIT CODE (52)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED (24 HR CLOCK) (55) H M (56)

UNABLE TO COLLECT SAMPLE (see Instructions) (59)

MONITOR POINT SAMPLED BY (see Instructions) (60) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) (61) ORGANICS (X) (62)

SAMPLE APPEARANCE (63–102)

COLLECTOR COMMENTS (103–142)

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter (143–145) LDP (INITIALS) — COLLECTED BY

ASI — DIVISION OR COMPANY

TRANSPORTED BY

ASI — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO.

LAB NAME AND ADDRESS

LAB ID NO. (146–149)

DATE RECEIVED 07-26-91

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N)

SAMPLE PROPERLY PRESERVED (Y/N)

DATE COMPLETED 08-06-91

FORWARD

LAB COMMENTS (150–199)

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | (1–8) TRANS CODE A (9) (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	(35)	(36)	OR < > (37)	VALUE (38–47)	REPORTING LEVEL (48)	(49)
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

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IEPA 1218
50 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 4D

DATE COLLECTED 07 / 25 / 91
M D Y

IEPA LAB (E or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180				54		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch Lines with Data in Columns 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–6) TRANS CODE A (6)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

TPM

FACILITY NAME

MONITOR POINT NUMBER M W 1 4D (19–23)

DATE COLLECTED 07 / 25 / 91 (23 M / D / Y 25)

IEPA LAB (E or Blank) (25)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Units: Keypunch Lines with Data in Columns 25 or Columns 38-47

CODE L P C S M 0 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 6A (see Instructions)

DATE COLLECTED 07 / 25 / 91

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY — COMPLAINT NO. ____

DATE RECEIVED __ / __ / __

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE ____ & UNIT CODE ____

BACKGROUND SAMPLE (X) ____ TIME COLLECTED (24 HR CLOCK) ____ H ____ M

UNABLE TO COLLECT SAMPLE (see Instructions) ____

MONITOR POINT SAMPLED BY (see Instructions) ____ OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ____ ORGANICS (X) ____

SAMPLE APPEARANCE ____

COLLECTOR COMMENTS ____

SPECIAL INSTRUCTIONS TO LAB ____

COLLECTED BY	INITIALS	DIVISION OR COMPANY	TRANSPORTED BY	DIVISION OR COMPANY
Larry Poynter	LDP	ASI		ASI

LAB USE ONLY

LAB SAMPLE NO. ____ LAB NAME ____ LAB ID NO. ____

DATE RECEIVED 07-26-91 AND ADDRESS ____

TIME RECEIVED ____

SAMPLE TEMP OKAY ____ (Y/N) SAMPLE PROPERLY PRESERVED ____ (Y/N) DATE COMPLETED 08-02-91 FORWARD ____

LAB COMMENTS ____

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	00011						
ELEVATION OF GW SURFACE (ft. ref MSL)	71993						
WELL DEPTH ELEVATION (ft. ref MSL)	72020						
DEPTH TO WATER FROM MEAS. PT. (ft)	72109						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

-1213
IO (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 1 2 (1–6) TRANS CODE A (7)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (8–18)

REGION Maywood (19) CO. Cook (20–22) RCRA

— IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 6A (19–24)

DATE COLLECTED 07 / 25 / 91 (25–30) M / D / Y

IEPA LAB (x or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch Lines with Data in Columns 15 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 3 (1–4) TRANS CODE A (5)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (6–18)

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 6A (19–24)

DATE COLLECTED 07 / 25 / 91 (M / D / Y) (25)

IEPA LAB (E or Blank) (26)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Only Keypunch Lines with Data in Column 25 or Columns 28-47

CODE L | P | C | S | M | 0 | 1 | (1–7) CODE A (8)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 (36 M) / 01 (D) / 91 (Y 41)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 7A (19–25)
(see Instructions)

DATE COLLECTED 07 (25 M) / 25 (D) / 91 (Y 33)

IEPA LAB (X or Blank) (see Instructions) (29)

FOR IEPA USE ONLY

COMPLAINT NO. (30–35)

DATE RECEIVED (42 M / D / Y 47)

SAMPLING PURPOSE CODE (46)
(see Instructions)

TIME CARD

PROGRAM CODE (49–52) & UNIT CODE (53)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED (24 HR CLOCK) (55 H : M 58)

UNABLE TO COLLECT SAMPLE (59)
(see Instructions)

MONITOR POINT SAMPLED BY (60) OTHER (SPECIFY)
(see Instructions)

SAMPLE FIELD FILTERED - INORGANICS (X) (61) ORGANICS (X) (62)

SAMPLE APPEARANCE (63–102)

COLLECTOR COMMENTS (103–142)

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter (143–145) LDP (146–148) ASI (149–152) ASI (153–156)
COLLECTED BY — INITIALS — DIVISION OR COMPANY — TRANSPORTED BY — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. _____ LAB NAME _____ LAB ID NO. (146–149)

DATE RECEIVED 07-26-91 AND ADDRESS _____

TIME RECEIVED _____

SAMPLE TEMP OKAY (Y/N) _____ SAMPLE PROPERLY PRESERVED (Y/N) _____ DATE COMPLETED 08-02-91 FORWARD _____

LAB COMMENTS (150–199)

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1 (30–34)	(35)	(36)	(37)	(38–44)	(45)	(47)
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a fine of not to exceed $25,000 for each day the failure continues, a fine not to exceed $1,000.00 and imprisonment not to exceed one year. This form has been approved by the Forms Management Center.

IL 1218
50 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

RECORD CODE L P C S M 0 1 2 (1–6) TRANS CODE A (7)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (8–17)

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 7A (18–21)

DATE COLLECTED 07 / 25 / 91 (22–23 M / D / Y 24–25)

IEPA LAB (E or Blank) (26)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180				1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Data Keypunch Lines with Data in Columns 25 or Columns 26-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–4) TRANS CODE A (5)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (6–18)

REGION Maywood CO. Cook RCRA

TPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 7A (19–22)

DATE COLLECTED 07 / 25 / 91 (23–28) M D Y

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Only Keypunch Lines with Data in Columns 35 or Columns 36-47

CODE L | P | C | S | M | 0 | 1 | CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 | MONITOR POINT NUMBER (see Instructions) M W 1 7AR

REGION Maywood CO. Cook RCRA | DATE COLLECTED 07 / 25 / 91

IPM FACILITY NAME | IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY | COMPLAINT NO.

DATE RECEIVED | BACKGROUND SAMPLE (X) | TIME COLLECTED (24 HR CLOCK)

SAMPLING PURPOSE CODE (see Instructions) | UNABLE TO COLLECT SAMPLE (see Instructions)

TIME CARD | MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

PROGRAM CODE & UNIT CODE | SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter (COLLECTED BY) LDP (INITIALS) ASI (DIVISION OR COMPANY) | (TRANSPORTED BY) ASI (DIVISION OR COMPANY)

LAB USE ONLY

LAB SAMPLE NO. | LAB NAME AND ADDRESS | LAB ID NO.

DATE RECEIVED 07-26-91

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) | SAMPLE PROPERLY PRESERVED (Y/N) | DATE COMPLETED 08-02-91 | FORWARD

COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3.						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

2-1218
(40 (Rev. 10/84)

*Only Keypunch Lines with Data in Columns 25 or Columns 26-27

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–6) TRANS CODE A (7)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (8–17)

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 7AR (19–24)

DATE COLLECTED 07 / 25 / 91 (25 M / D / Y 28)

IEPA LAB (x or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180				1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Omit. Keypunch Lines with Data in Columns 25 or Columns 28-47

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | S | M | 0 | 2 | (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 7AR (19–27)

DATE COLLECTED 07 / 25 / 91 (M / D / Y 28–33)

IEPA LAB (E or Blank) (34)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Units Keypunch Lines with Data in Columns 35 or Columns 38-47

RECORD CODE L | P | C | S | M | 0 | 1 | TRANS CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER (see Instructions) M W 1 7B

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED (M / D / Y)

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK)

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter | LDP | ASI | | ASI

COLLECTED BY | INITIALS | DIVISION OR COMPANY | TRANSPORTED BY | DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO.

LAB NAME AND ADDRESS

LAB ID NO.

DATE RECEIVED 07-26-91

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-08-91 FORWARD

LAB COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	< OR >	VALUE	REPORTING LEVEL
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1			
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3			
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0			
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9			

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

IL 532-1213
LPC 40 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36 & 37

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

ITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 7B

DATE COLLECTED 07 / 25 / 91
M D Y

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	10		
BROMOFORM	32104			<	10		
BROMOMETHANE (Methyl Bromide)	34413			<	10		
CARBON TETRACHLORIDE	32102			<	10		
CHLOROBENZENE	34301			<	10		
CHLOROETHANE	34311			<	10		
2-CHLOROETHYL VINYL ETHER				<	10		
CHLOROFORM	32106			<	10		
CHLOROMETHANE	34418			<	10		
DIBROMOCHLOROMETHANE	32105			<	10		
1,2-DICHLOROBENZENE	34536			<	10		
1,3-DICHLOROBENZENE	34566			<	10		
1,4-DICHLOROBENZENE	34571			<	10		
DICHLORODIFLUOROMETHANE	34668			<	10		
1,1-DICHLOROETHANE	34496			<	10		
1,2-DICHLOROETHANE	34531			<	10		
t-1,2-DICHLOROETHANE	34546			<	10		
1,2-DICHLOROPROPANE	34541			<	10		
c-1,3-DICHLOROPROPANE	34704			<	10		
t-1,3-DICHLOROPROPANE	34699			<	10		
METHYLENE CHLORIDE	34423			<	10		
1,1,2,2-TETRACHLOROETHANE	34516			<	10		
TETRACHLOROETHENE	34475			<	10		
1,1,1-TRICHLOROETHANE	34506			<	10		
1,1,2-TRICHLOROETHANE	34511			<	10		
TRICHLOROETHENE	39180				1800		
TRICHLOROFLUOROMETHANE	34488			<	10		
VINYL CHLORIDE	39175			<	10		

*Units Keypunch Lines with Data in Columns 25 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–6) TRANS CODE A (6)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 7 (9–18)

REGION Maywood CO. Cook RCRA

TPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 7B (19–25)

DATE COLLECTED 07 / 25 / 91 (25 M / D / Y 33)

IEPA LAB (c or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	10		
TOLUENE	34010			<	10		
XYLENES	81551			<	10		
c-1,2, Dichloroethene	45627				33		

*Only Keypunch Lines with Data in Columns 25 or Columns 26-47

CODE L | P | C | S | M | 0 | 1 | CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 MONITOR POINT NUMBER (see Instructions) M W 1 8A

REGION Maywood CO. Cook RCRA DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM

FACILITY NAME IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY COMPLAINT NO.

DATE RECEIVED (M / D / Y)

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) TIME COLLECTED (24 HR CLOCK)

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter LDP ASI — ASI

COLLECTED BY INITIALS DIVISION OR COMPANY TRANSPORTED BY DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME LAB ID NO.

DATE RECEIVED 07-26-91 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-08-91 FORWARD

COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center

IL 532-1218
LPC 40 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 1 8A

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91

IPM

FACILITY NAME

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	200		
BROMOFORM	32104			<	200		
BROMOMETHANE (Methyl Bromide)	34413			<	200		
CARBON TETRACHLORIDE	32102			<	200		
CHLOROBENZENE	34301			<	200		
CHLOROETHANE	34311			<	200		
2-CHLOROETHYL VINYL ETHER				<	200		
CHLOROFORM	32106			<	200		
CHLOROMETHANE	34418			<	200		
DIBROMOCHLOROMETHANE	32105			<	200		
1,2-DICHLOROBENZENE	34536			<	200		
1,3-DICHLOROBENZENE	34566			<	200		
1,4-DICHLOROBENZENE	34571			<	200		
DICHLORODIFLUOROMETHANE	34668			<	200		
1,1-DICHLOROETHANE	34496			<	200		
1,2-DICHLOROETHANE	34531			<	200		
t-1,2-DICHLOROETHENE	34546			<	200		
1,2-DICHLOROPROPANE	34541			<	200		
c-1,3-DICHLOROPROPENE	34704			<	200		
t-1,3-DICHLOROPROPENE	34699			<	200		
METHYLENE CHLORIDE	34423			<	200		
1,1,2,2-TETRACHLOROETHANE	34516			<	200		
TETRACHLOROETHENE	34475			<	200		
1,1,1-TRICHLOROETHANE	34506			<	200		
1,1,2-TRICHLOROETHANE	34511			<	200		
TRICHLOROETHENE	39180				15,000		
TRICHLOROFLUOROMETHANE	34488			<	200		
VINYL CHLORIDE	39175			<	200		

*Only Keypunch Lines with Data in Column 35 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–8) TRANS CODE A (9)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (3–18)

REGION Maywood CO. Cook RCRA

TPM

FACILITY NAME

MONITOR POINT NUMBER M W 1 8A (19–22)

DATE COLLECTED 07 / 25 / 91 (23 M / D / Y 28)

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	200		
TOLUENE	34010			<	200		
XYLENES	81551			<	200		
c-1,2, Dichloroethene	45627				470		

*Only Keypunch Lines with Data in Columns 15 or Columns 38-47

CODE L | P | C | S | M | 0 | 1 | CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

LPM

FACILITY NAME

MONITOR POINT NUMBER M W 1 8B (see Instructions)

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED (M / D / Y)

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD

PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter LDP ASI ASI

COLLECTED BY INITIALS DIVISION OR COMPANY TRANSPORTED BY DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME LAB ID NO.

DATE RECEIVED 07-26-91 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-08-91 FORWARD

COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A | (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

2-1218
140 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 25 or Columns 26-47

RECORD CODE L P C S M 0 1 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 1 8B

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91

IPM

FACILITY NAME

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	< OR >	VALUE	REPORTING LEVEL
BROMODICHLOROMETHANE	32101	<	100	
BROMOFORM	32104	<	100	
BROMOMETHANE (Methyl Bromide)	34413	<	100	
CARBON TETRACHLORIDE	32102	<	100	
CHLOROBENZENE	34301	<	100	
CHLOROETHANE	34311	<	100	
2-CHLOROETHYL VINYL ETHER		<	100	
CHLOROFORM	32106	<	100	
CHLOROMETHANE	34418	<	100	
DIBROMOCHLOROMETHANE	32105	<	100	
1,2-DICHLOROBENZENE	34536	<	100	
1,3-DICHLOROBENZENE	34566	<	100	
1,4-DICHLOROBENZENE	34571	<	100	
DICHLORODIFLUOROMETHANE	34668	<	100	
1,1-DICHLOROETHANE	34496	<	100	
1,2-DICHLOROETHANE	34531	<	100	
t-1,2-DICHLOROETHANE	34546	<	100	
1,2-DICHLOROPROPANE	34541	<	100	
c-1,3-DICHLOROPROPANE	34704	<	100	
t-1,3-DICHLOROPROPANE	34699	<	100	
METHYLENE CHLORIDE	34423	<	100	
1,1,2,2-TETRACHLOROETHANE	34516	<	100	
TETRACHLOROETHENE	34475	<	100	
1,1,1-TRICHLOROETHANE	34506	<	100	
1,1,2-TRICHLOROETHANE	34511	<	100	
TRICHLOROETHENE	39180		2000	
TRICHLOROFLUOROMETHANE	34488	<	100	
VINYL CHLORIDE	39175	<	100	

*Omit Keypunch Lines with Data in Columns 35 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C 3 M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 1 8B

DATE COLLECTED 07 / 25 / 91
M D Y

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	100		
TOLUENE	34010			<	100		
XYLENES	81551			<	100		
c-1,2, Dichloroethene	45627			<	100		

*Data Keypunch Lines with Data in Columns 35 or Columns 36-47

CODE L I P C S M 0 1 1 CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y) FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 MONITOR POINT NUMBER (see Instructions) M W 2 0A

REGION Maywood CO. Cook RCRA DATE COLLECTED 07 / 25 / 91

IPM FACILITY NAME IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY COMPLAINT NO.

DATE RECEIVED / / SAMPLING PURPOSE CODE (see Instructions) LAKE CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter LDP ASI — — ASI
COLLECTED BY INITIALS DIVISION OR COMPANY TRANSPORTED BY DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME LAB ID NO.

DATE RECEIVED 07-26-91 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-06-91 FORWARD

COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L I P C S M 0 1 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	0 0 0 1 1						
ELEVATION OF GW SURFACE (ft. ref MSL)	7 1 9 9 3						
WELL DEPTH ELEVATION (ft. ref MSL)	7 2 0 2 0						
DEPTH TO WATER FROM MEAS. PT. (ft)	7 2 1 0 9						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

IL 532-1218
LPC 40 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

D CODE | L | P | C | S | M | O | 2 | TRANS CODE | A |

VENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER M W 2 0A

N Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM
FACILITY NAME

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180				7		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch Lines with Data in Column 35 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–4) TRANS CODE A (5)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

IEPA

FACILITY NAME

MONITOR POINT NUMBER M W 2 0A (19–22)

DATE COLLECTED 07 / 25 / 91 (23 M / D / Y 25)

IEPA LAB (E or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Units Keypunch Lines with Data in Columns 35 or Columns 38-47

CODE L | P | C | S | M | 0 | 1 | CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 9 1 (M / D / Y)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER (see Instructions) M W 2 OB

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD

PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK)

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter LDP ASI ASI
COLLECTED BY INITIALS DIVISION OR COMPANY TRANSPORTED BY DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME LAB ID NO.

DATE RECEIVED 07-26-91 AND ADDRESS

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) SAMPLE PROPERLY PRESERVED (Y/N) DATE COMPLETED 08-06-91 FORWARD

COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			OR < >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	00011						
ELEVATION OF GW SURFACE (ft. ref MSL)	71993						
WELL DEPTH ELEVATION (ft. ref MSL)	72020						
DEPTH TO WATER FROM MEAS. PT. (ft)	72109						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

2-1218
40 (Rev. 10/84)

*Only Keypunch Lines with Data in Columns 35 or Columns 36-47

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 3 TRANS CODE A

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM
FACILITY NAME

MONITOR POINT NUMBER M W 2 OB

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	1		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Data Keypunch Lines with Data in Columns 35 or Columns 38-47

CHEMICAL ANALYSIS FORM

RECORD CODE L | P | C | 3 | M | 0 | 2 | (1–6) TRANS CODE A (8)

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2 (9–18)

REGION Maywood CO. Cook RCRA

TPM

FACILITY NAME

MONITOR POINT NUMBER M W 2 OB (19–22)

DATE COLLECTED 07 (23 M) / 25 (D) / 91 (Y 25)

IEPA LAB (x or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030			<	1		
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627			<	1		

*Data Keypunch Lines with Data in Columns 45 or Columns 56-67

CODE L | P | C | S | M | 0 | 1 | CODE A

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

REPORT DUE DATE 10 / 01 / 91 (M / D / Y)

FEDERAL ID NUMBER I L D 0 8 5 3 5 2 4 7 4

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

MONITOR POINT NUMBER MW2 2A (see Instructions)

REGION Maywood CO. Cook RCRA

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IPM

FACILITY NAME

IEPA LAB (L or Blank) (see Instructions)

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED (M / D / Y)

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD

PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X)

TIME COLLECTED (24 HR CLOCK) H M

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Larry Poynter | LDP | ASI | | ASI

COLLECTED BY | INITIALS | DIVISION OR COMPANY | TRANSPORTED BY | DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. | LAB NAME AND ADDRESS | LAB ID NO.

DATE RECEIVED 07-26-91

TIME RECEIVED

SAMPLE TEMP OKAY (Y/N) | SAMPLE PROPERLY PRESERVED (Y/N) | DATE COMPLETED 08-06-91 | FORWARD

COMMENTS

SUPERVISOR SIGNATURE

RECORD CODE L | P | C | S | M | 0 | 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
TEMP OF WATER SAMPLE (unfiltered)(°f)	00011						
ELEVATION OF GW SURFACE (ft. ref MSL)	71993						
WELL DEPTH ELEVATION (ft. ref MSL)	72020						
DEPTH TO WATER FROM MEAS. PT. (ft)	72109						

This Agency is authorized to require this information under Illinois Revised Statutes 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

IL 532-1218
LPC 50 (Rev. 10/84)

*Only Keypunch Lines with Data in Column 35 or Columns 36-47

RECORD CODE | L | P | C | S | M | 0 | 2 | TRANS CODE | A |

SITE INVENTORY NUMBER 0 3 1 0 6 3 5 0 7 2

REGION Maywood CO. Cook RCRA

IPM

FACILITY NAME

MONITOR POINT NUMBER M W 2 2A

DATE COLLECTED 07 / 25 / 91 (M / D / Y)

IEPA LAB (x or Blank)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BROMODICHLOROMETHANE	32101			<	1		
BROMOFORM	32104			<	1		
BROMOMETHANE (Methyl Bromide)	34413			<	1		
CARBON TETRACHLORIDE	32102			<	1		
CHLOROBENZENE	34301			<	1		
CHLOROETHANE	34311			<	1		
2-CHLOROETHYL VINYL ETHER				<	1		
CHLOROFORM	32106			<	1		
CHLOROMETHANE	34418			<	1		
DIBROMOCHLOROMETHANE	32105			<	1		
1,2-DICHLOROBENZENE	34536			<	1		
1,3-DICHLOROBENZENE	34566			<	1		
1,4-DICHLOROBENZENE	34571			<	1		
DICHLORODIFLUOROMETHANE	34668			<	1		
1,1-DICHLOROETHANE	34496			<	1		
1,2-DICHLOROETHANE	34531			<	1		
t-1,2-DICHLOROETHANE	34546			<	1		
1,2-DICHLOROPROPANE	34541			<	1		
c-1,3-DICHLOROPROPANE	34704			<	1		
t-1,3-DICHLOROPROPANE	34699			<	1		
METHYLENE CHLORIDE	34423			<	1		
1,1,2,2-TETRACHLOROETHANE	34516			<	1		
TETRACHLOROETHENE	34475			<	1		
1,1,1-TRICHLOROETHANE	34506			<	1		
1,1,2-TRICHLOROETHANE	34511			<	1		
TRICHLOROETHENE	39180			<	6		
TRICHLOROFLUOROMETHANE	34488			<	1		
VINYL CHLORIDE	39175			<	1		

*Only Keypunch lines with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | 0 | 2 | (1–2) TRANS CODE | A | (3)

SITE INVENTORY NUMBER | 0 | 3 | 1 | 0 | 6 | 3 | 5 | 0 | 7 | 2 | (4–13)

REGION Maywood (14) CO. Cook (15–17) RCRA (18)

IPM

FACILITY NAME

MONITOR POINT NUMBER | M | W | 2 | 2A | (19–22)

DATE COLLECTED 07 (23–24) M / 25 (25–26) D / 91 (27–28) Y

EPA LAB (x or Blank) (29)

LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
BENZENE	34030 (30–34)	(35)	(36)	< (37)	1 (38–47)	(48)	(49)
TOLUENE	34010			<	1		
XYLENES	81551			<	1		
c-1,2, Dichloroethene	45627				1		

*Only Keypunch Lines with Data in Column 35 or Columns 38-47

APPENDIX 4

LABORATORY ANALYTICAL SHEETS

ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/05/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8525
CLIENT SAMPLE I.D.:	MW-1

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/05/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8525
CLIENT SAMPLE I.D.:	MW-1

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	3300	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	69	MDL = 0.3
1,1,1-TRICHLOROETHANE	31	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	100	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8526
CLIENT SAMPLE I.D.:	MW-2

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8526
CLIENT SAMPLE I.D.:	MW-2

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E Fisher
James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8527
CLIENT SAMPLE I.D.:	MW-4A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8527
CLIENT SAMPLE I.D.:	MW-4A

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	. . . MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	. . . MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/05/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8528
CLIENT SAMPLE I.D.:	MW-4B

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/05/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8528
CLIENT SAMPLE I.D.:	MW-4B

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	470	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	140	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	5	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/05/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8529
CLIENT SAMPLE I.D.:	MW-5A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	5

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8529
CLIENT SAMPLE I.D.:	MW-5A

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8530
CLIENT SAMPLE I.D.:	MW-5AR

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8530
CLIENT SAMPLE I.D.:	MW-5AR

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8531
CLIENT SAMPLE I.D.:	MW-5B

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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ANATECH
Analytical Labaratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8531
CLIENT SAMPLE I.D.:	MW-5B

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8532
CLIENT SAMPLE I.D.:	MW-6A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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ANATECH
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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8532
CLIENT SAMPLE I.D.:	MW-6A

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8533
CLIENT SAMPLE I.D.:	MW-6B

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8533
CLIENT SAMPLE I.D.:	MW-6B

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
James E. Fisher
Laboratory Manager
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Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8534
CLIENT SAMPLE I.D.:	MW-9

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8534
CLIENT SAMPLE I.D.:	MW-9

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	620	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	25	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8535
CLIENT SAMPLE I.D.:	MW-12

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8535
CLIENT SAMPLE I.D.:	MW-12

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	1500	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	25	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8536
CLIENT SAMPLE I.D.:	MW-14A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8536
CLIENT SAMPLE I.D.:	MW-14A

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	64	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	160.	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	15,000	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	25	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8537
CLIENT SAMPLE I.D.:	MW-14C

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	25

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8537
CLIENT SAMPLE I.D.:	MW-14C

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	620	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	25	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E Fisher
James E. Fisher
Laboratory Manager
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Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8538
CLIENT SAMPLE I.D.:	MW-14D

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8538
CLIENT SAMPLE I.D.:	MW-14D

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	54	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8539
CLIENT SAMPLE I.D.:	MW-16A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8539
CLIENT SAMPLE I.D.:	MW-16A

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8540
CLIENT SAMPLE I.D.:	MW-17A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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ANATECH
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EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8540	
CLIENT SAMPLE I.D.:	MW-17A	
BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	1	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
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EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/02/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8541
CLIENT SAMPLE I.D.:	MW-17AR

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8541
CLIENT SAMPLE I.D.:	MW-17AR

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	1	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8542
CLIENT SAMPLE I.D.:	MW-17B

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	10

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8542
CLIENT SAMPLE I.D.:	MW-17B

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	33	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	1800	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	10	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E Fisher
James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8543
CLIENT SAMPLE I.D.:	MW-18A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	200

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8543
CLIENT SAMPLE I.D.:	MW-18A

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	470	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	15,000	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	200	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8544
CLIENT SAMPLE I.D.:	MW-18B

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	100

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

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ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/08/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8544
CLIENT SAMPLE I.D.:	MW-18B

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	2000	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	100	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8545
CLIENT SAMPLE I.D.:	MW-20A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8545
CLIENT SAMPLE I.D.:	MW-20A

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	7	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8546
CLIENT SAMPLE I.D.:	MW-20B

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

nef

ANATECH
Analytical Laboratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8546
CLIENT SAMPLE I.D.:	MW-20B

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	ND	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
nef

ANATECH
Analytical Laboratories

EPA 8020
VOLATILE AROMATIC HYDROCARBONS SCAN

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8547
CLIENT SAMPLE I.D.:	MW-22A

BENZENE	ND
TOLUENE	ND
ETHYLBENZENE	ND
XYLENES (Total)	ND
1,2-DICHLOROBENZENE	ND
1,3-DICHLOROBENZENE	ND
1,4-DICHLOROBENZENE	ND
CHLOROBENZENE	ND
PRACTICAL QUANTITATION LIMIT	1

ND = Non Detectable
All results are in ug/L

James E. Fisher
Laboratory Manager

nef

ANATECH
Analytical Labaratories

EPA 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	IPM		
PROJECT:	Quarterly	DATE SAMPLED:	07/25/91
LAB REF. NO.:	12122	DATE RECEIVED:	07/26/91
SAMPLED BY:	AAL - LDP	DATE ANALYZED:	08/06/91
DESCRIPTION:	Water Sample	REPORT DATE:	08/13/91
ANALYST:	PN		

LAB SAMPLE I.D.:	8547
CLIENT SAMPLE I.D.:	MW-22A

BROMODICHLOROMETHANE	ND	
BROMOFORM	ND	
BROMOMETHANE	ND	
CARBON TETRACHLORIDE	ND	
CHLOROBENZENE	ND	
CHLOROETHANE	ND	
2-CHLOROETHYL VINYL ETHER	ND	
CHLOROFORM	ND	
CHLOROMETHANE	ND	
DIBROMOCHLOROMETHANE	ND	
1,2-DICHLOROBENZENE	ND	
1,3-DICHLOROBENZENE	ND	
1,4-DICHLOROBENZENE	ND	
DICHLORODIFUOROMETHANE	ND	
1,1-DICHLOROETHANE	ND	
1,2-DICHLOROETHANE	ND	
1,1-DICHLOROETHENE	ND	
c-1,2-DICHLOROETHENE	ND	
t-1,2-DICHLOROETHENE	ND	
1,2-DICHLOROPROPANE	ND	
c-1,3-DICHLOROPROPANE	ND	
t-1,3-DICHLOROPROPANE	ND	
METHYLENE CHLORIDE	ND	
1,1,2,2-TETRACHLOROETHANE	ND	
TETRACHLOROETHENE	ND	MDL = 0.3
1,1,1-TRICHLOROETHANE	ND	MDL = 0.3
1,1,2-TRICHLOROETHANE	ND	
1,1,1,2-TRICHLOROETHANE	ND	
TRICHLOROETHENE	6	
TRICHLOROFLUOROMETHANE	ND	
VINYL CHLORIDE	ND	
PRACTICAL QUANTITATION LIMIT	1	

ND = Non Detectable
All results are in ug/L
MDL = Method Detection Limit

James E. Fisher
Laboratory Manager
nef

APPENDIX 5

STATIC WATER LEVELS

IPM

July 1991 Static Water Levels

		Ground Elevation	Casing Elevation	Water Depth July, 24, 1991	Static Water Elevation
MW	1	649.42	652.38	18.95	633.43
MW	2	649.67	652.55	18.06	634.49
MW	4A	649.22	651.78	27.64	624.14
MW	4B	649.07	651.91	18.55	633.36
MW	5A	648.45	648.54	19.57	628.97
MW	5B	648.47	648.34	14.75	633.59
MW	6A	648.92	651.91	27.16	624.75
MW	6B	648.99	652.04	17.30	634.74
MW	9	649.73	649.52	16.82	632.70
MW	12	649.76	649.61	9.24	640.37
MW	14A	646.03	648.40	24.46	623.94
MW	14C	643.74	645.28	25.89	619.39
MW	14D	643.06	644.80	40.06	604.74
MW	16A	649.58	652.13	27.89	624.24
MW	17A	647.49	649.31	24.63	624.68
MW	17B	646.86	648.77	16.34	632.43
MW	18A	649.18	648.86	26.16	622.70
MW	18B	649.22	648.56	9.57	638.99
MW	20A	648.89	648.61	24.02	624.59
MW	20B	648.82	648.04	14.74	633.30
MW	22A	649.83	648.98	19.96	629.02

A.4.5

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 – (217) 782-3397
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 – (312) 814-6026

ROD R. BLAGOJEVICH, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

April 9, 2009

The Dyson-Kissner-Moran Corporation
Attn: Robert Farley
565 Fifth Avenue, Fourth Floor
New York, NY 10017

Certified Mail #7004 2510 0001 8622 3799
Return Receipt Requested

Re: 0310635072 – Cook County
Kearney National
ILD085352474
Financial File

Dear Mr. Farley,

The Illinois Environmental Protection Agency (Agency) has been notified that Bank of America (BOA) will not be renewing the BOA Letter of Credit No. 3064165 (LOC #3064165). LOC # 3064165 will be expiring on July 7, 2009.

If an alternate financial assurance mechanism in the amount of $233,000.00 is not received by **June 8, 2009**, then the Agency will be forced to draw Letter of Credit No. 3064165 pursuant to 35 Ill. Adm. Code 725.243(c)(9).

The Agency has also been notified that Bank of America (BOA) will not be renewing the BOA Letter of Credit No. 3065547 (LOC #3065547). LOC #3065547 will be expiring on September 10, 2009.

If an alternate financial assurance mechanism in the amount of $2,000,000.00 is not received by **August 11, 2009**, then the Agency will be forced to draw Letter of Credit No. 3065547.

If you have any questions, please contact me at 217-785-7403 or by E-mail at Robert.Mathis@illinois.gov.

Sincerely,

Robert Mathis

Robert Mathis, Jr.
Compliance Unit – Financial Assurance
Bureau of Land

CC: USEPA Region Five

A45

A.T. Kearney, Inc.
One Lagoon Drive
Redwood City, California 94065
415 595 4300
Facsimile 415 595 5659

Management
Consultants

ATKEARNEY

November 25, 1992

Mr. Bernie Orenstein
Regional Project Officer
U.S. Environmental Protection Agency
Region V
77 West Jackson Street
Chicago, Illinois 60604

Reference: EPA Contract No. 68-W9-0040; Work Assignment No. R05-27-01; Technical Review of Financial Records for Kearney-National, Inc.; EPA I.D. No. ILD 085352474; Revised Final Deliverable (Task 03)

Dear Mr. Orenstein:

Enclosed please find the revised final deliverable containing the results of our technical review of the Kearney-National, Inc. financial records which was completed in accordance with the above-referenced work assignment. This revised final deliverable incorporates changes in the Liability Coverage section of the review which were requested by the U.S. EPA WAM and the State of Illinois.

Please do not hesitate to call me or Carrie Ericson, the Kearney Team Work Assignment Manager (who can be reached at 312/ 993-8736), if you have any questions.

Sincerely,

Monica B. Roll
Technical Director

cc: Z. Thomas, EPA Region V
H. Wright, IEPA
W. Jordan
A. Anderson
L. Poe
C. Ericson
L. Sherman
B. Smith
E. Theios, IND

Financial Record Review
Revised
General Comments/Deficiencies
for
Liability Coverage
for Kearney-National, Inc.
Des Plaines, Illinois
EPA I.D. No. ILD 085 352 474

LIABILITY COVERAGE REVIEW

Liability insurance coverage in the amount of $4,000,000 per occurrence and $8,000,000 annual aggregate for sudden and non-sudden accidental occurrence is required for this facility. The facility provided liability coverage in the form of the Corporate Guarantee (see Table III).

TABLE III - INSURANCE MECHANISMS

	Sudden Occurr.	Non-Sudden Occurr.	Total Cover. Reqd.	Total Cover. Prvd.
Per Occurrence	1,000,000	3,000,000	4,000,000	4,000,000
Annual Aggregate	2,000,000	6,000,000	8,000,000	8,000,000

One deficiency was identified for this mechanism:

Deficiency

The facility failed to provide proof of Guarantee for Liability Coverage on the required IEPA form (LPC 271) as required by 35 Illinois Administrative Code 725.247.

Proposed Action

Provide proof of Guarantee for Liability Coverage on the required IEPA form (LPC 271).

A.4.5

A.T. Kearney, Inc.
One Lagoon Drive
Redwood City, California 94065
415 595 4300
Facsimile 415 595 5659

Management
Consultants

ATKEARNEY

October 14, 1992

Mr. Bernie Orenstein
Regional Project Officer
U.S. Environmental Protection Agency
Region V, HRM-76
77 West Jackson Street
Chicago, Illinois 60604

Reference: EPA Contract No. 68-W9-0040; Work Assignment No. R05-27-01; Technical Review of Financial Records for Kearney-National, Inc.; EPA I.D. No. ILD 085352474; Revised Final Deliverable (Task 03)

Dear Mr. Orenstein:

Enclosed please find the revised final deliverable containing the results of our technical review of the Kearney-National, Inc. financial records which was completed in accordance with the above-referenced work assignment. The revised final deliverable incorporates the changes requested by the U.S. EPA WAM and the State of Illinois.

Please do not hesitate to call me or Carrie Ericson, the Kearney Team Work Assignment Manager (who can be reached at 312/ 993-8736), if you have any questions.

Sincerely,

M. B. Roll

Monica B. Roll
Technical Director

cc: Z. Thomas, EPA Region V
H. Wright, IEPA
W. Jordan
L. Poe
C. Ericson
L. Sherman (w/o attachment)
B. Smith (w/o attachment)
E. Theios, IND

REVISED FINAL DELIVERABLE
(TASK 03)

TECHNICAL REVIEW OF FINANCIAL RECORDS for KEARNEY-NATIONAL, INC., DES PLAINES, ILLINOIS EPA I.D. No. ILD 085 352 474

Prepared for:

Mr. Bernie Orenstein
U.S. EPA
Regional Project Officer
Region V, HRM-76
77 West Jackson Street
Chicago, Illinois 60604

Prepared by:

A.T. Kearney, Inc.
222 S. Riverside Plaza
Chicago, Illinois 60606

In response to:

EPA Contract No. 68-W9-0040
Work Assignment No. RO5-27-01

October 14, 1992

Financial Record Review
General Comments/Deficiencies
for

Kearney-National, Inc., Des Plaines, Illinois
EPA I.D. No. ILD 085 352 474

GENERAL COMMENTS

The Closure/Post-Closure Plan cost estimates were approved by the IEPA on May 15, 1992. Therefore the associated cost estimates were not reviewed in this analysis. Many of the required elements for financial assurance and liability insurance are satisfactorily addressed in the facility's submissions; however, a number of deficiencies remain. These deficiencies are included in the following analysis.

BRIEF FACILITY SUMMARY

Kearney-National, Inc. was formerly a small quantity generator storing wastes for greater than 180 days. The facility contains two RCRA regulated units, a storage tank and a container storage unit which was created during closure of the storage tank. The facility is currently attempting clean-closure of the storage tank utilizing vapor extraction over a period of time. If it is not successful in achieving clean-closure of the unit, the facility will close the storage tank as a landfill with post-closure care. The facility is in the process of closing the container storage unit.

The IEPA files contain a number of closure plans for the storage tank with the latest IEPA approved closure plan dated May 15, 1992. Financial Assurance in the form of the Financial Test and Corporate Guarantee by the parent company, DKM Corp., was received on June 10, 1992. The approved closure plan was withdrawn on July 10, 1992 and resubmitted on September 1, 1992 as a contingent plan for closure as a landfill with post-closure care. No changes to the closure/post-closure care cost estimates previously approved in the May 15, 1992 plan were made in the resubmitted contingent plan. The contingent plan is currently pending Agency approval.

The facility submitted cost estimates for extended clean closure ($1,504,000) of the storage tank, as well as contingent cost estimates for closure as a landfill including post-closure care costs ($1,801,000). Financial assurance submitted by the facility for this unit is insufficient (please see Financial Instrument Review Section).

During closure of the storage tank, the facility inadvertently (by storing wastes for greater than 90 days) created a RCRA-regulated container storage area. A partial closure plan for this container storage unit was approved by IEPA on April 23,

1992. An initial closure cost estimate was submitted at that time. The closure plan was modified on September 16, 1992. A revised closure cost estimate and corresponding financial assurance is scheduled for submittal by October 30, 1992.

TABLE I - ASSURANCE MECHANISMS

Closure Cost Est.	Post-Closure Cost Est.	Total Cost Est.	Total Cost Provided	Financial Assurance Mechanism
91,000	1,710,000	1,801,000	979,316	Financial Test Corporate Guarantee

TABLE II - INSURANCE MECHANISMS

Annual Aggregate Liability Coverage Required	Annual Aggregate Liability Coverage Provided	Liability Coverage Financial Assurance Mechanism
8,000,000	8,000,000	Corporate Guarantee

CLOSURE PLAN COST ESTIMATE REVIEW

Closure Plan cost estimates of $91,000 (see Table I) for the storage tank were approved by the IEPA on May 15, 1992. Although the Closure Plan was withdrawn on June 10, 1992, it was resubmitted as the Contingent Closure Plan on September 1, 1992 with no changes to the closure care costs. It is assumed that the IEPA will approve the resubmitted plan as its closure care costs are identical to the previously approved plans'.

Revised Closure Plan cost estimates for the container storage area have not yet been submitted, therefore no review was conducted.

POST-CLOSURE PLAN COST ESTIMATE REVIEW

Post-Closure Plan cost estimates of $1,710,000 (see Table I) for the storage tank were approved by the IEPA on May 15, 1992. Although the Post-Closure Plan was withdrawn on June 10, 1992, it was resubmitted as the Contingent Post-Closure plan on September 1, 1992 with no changes to the post-closure care costs. It is assumed that the IEPA will approve the resubmitted plan as its post-closure care costs are identical to the previously approved plans'.

The Closure Plan for the container storage unit provides for clean closure of the unit, therefore no Post-Closure Plan will be required.

FINANCIAL INSTRUMENT REVIEW

The facility provided financial assurance for Contingent Closure/Post-Closure Plan cost estimates through the use of the Financial Test and the Corporate Guarantee (see Table I). A number of deficiencies were identified for these mechanisms:

Deficiency

The facility failed to provide the proper language in its Letter From the Chief Financial Officer to demonstrate liability coverage and assurance of closure and post-closure care as required by 35 Illinois Administrative Code 724.251. Section 5 of the letter currently states "This firm is not to file...". The correct language is "This firm is not required to file...". Additionally, in Sections 1 and 4, the Letter should specify the word "None" in the paragraphs which do not apply to the firm's facilities.

Proposed Action

Provide a Letter From the Chief Financial Officer to demonstrate liability coverage and assurance of closure and post-closure care with the proper corrected language.

Deficiency

The facility failed to provide sufficient financial assurance for contingent post-closure care cost estimates as required by 35 Illinois Administrative Code 725.245. Contingent post-closure care cost estimates are $1,710,000. Financial assurance for contingent post-closure care is provided in the amount of $888,316 only.

Proposed Action

Provide increased financial assurance for contingent post-closure care in the amount of $821,684 so that the total financial assurance provided is $1,710,000.

Deficiency

The facility failed to demonstrate evidence of tangible net worth in excess of six times the sum of the current closure and post-closure cost estimates as required by 35 Illinois

Administrative Code 725.245(e)(1). As a result, it failed the financial test (Alternative 1) for closure and post-closure.

Proposed Action

Demonstrate that the firm's tangible net worth is in excess of six times the sum of the current closure and post-closure cost estimates, or provide an alternate financial assurance mechanism.

Deficiency

The facility failed to provide an explanation for the independent public accountant's qualified opinion with respect to non-consolidation of certain majority-owned subsidiaries as required by 35 Illinois Administrative Code 724.245(e)(8).

Proposed Action

Provide an explanation as to why the independent public accountant's qualified opinion should not be grounds for disqualification for the financial test mechanism.

Deficiency

The facility failed to provide the Corporate Guarantee for Closure/Post-Closure Care on the required IEPA form (LPC 155) as required by 35 Illinois Administrative Code 725.245(e)(11).

Proposed Action

Provide the Corporate Guarantee for Closure/ Post-Closure Care on the required IEPA form (LPC 155).

LIABILITY COVERAGE REVIEW

The facility provided Annual Aggregate Liability Coverage in the amount of $8,000,000 on June 10, 1992 through the use of the Corporate Guarantee (see Table II). One deficiency was identified for this mechanism:

Deficiency

The facility failed to provide proof of Guarantee for Liability Coverage on the required IEPA form (LPC 271) as required by 35 Illinois Administrative Code 725.247.

Proposed Action

Provide proof of Guarantee for Liability Coverage on the required IEPA form (LPC 271).

ANNUAL UPDATES

The Closure/Post-Closure Care Estimates were approved in 1992. The Contingent Closure/Post-Closure Care Estimates currently pending Agency approval are identical to the 1992 submission. Therefore, there are currently no annual updates to review.

ATTACHMENTS

Attachment A - Facility Checklist
Attachment B - Liability Checklist/Financial Test
Attachment C - Guarantor Checklist/Financial Test

Attachment A

FACILITY CHECKLIST

Facility Name: KEARNEY-NATIONAL INC. (IMEP Co) Reviewed by: EPT

U.S. EPA ID #: ILD085 352 474 Date: 9/15/92

Facility address: 210 W. OAKTON DES PLAINES, IL 60017

Owner Name: DYSON-KISSNER-MORAN CORP.

Owner address: 230 PARK AVE. NEW YORK, NY.

Estimated closure cost: $ 91,000 Date of estimate: 5/8/92

Estimated post-closure cost: $ 1,710,000 Date of estimate: 5/8/92

Latest annual adjustment factor: _____

Total estimated closure and post-closure costs: $ 1,801,000 Last adjusted 5/8/92

Financial Assurance Mechanisms

Date Received: / /

Mechanism	Guarantor Name & Address	Effective Date	Amount of Coverage	Validation Date	Initials
		/ /	$	/ /	
F.T	DYSON-KISSNER-MORAN	6/15/92	979,316	/ /	
		/ /		/ /	
		/ /		/ /	
		/ /		/ /	
		/ /		/ /	

Total Coverage $ 979,316 ($1,801,000 Needed)

Liability Coverage Mechanisms

Date Received: / /

Mechanism	Guarantor Name	Effective Date	Amount of Coverage	Validation Date	Initials
		/ /	$	/ /	
F.T.	DYSON-KISSNER-MORAN	6/15/92	$ 8.0MM	9/15/92	EPT
		/ /		/ /	
		/ /		/ /	
		/ /		/ /	
		/ /		/ /	

Total Coverage $ 8,000,000

FOLLOW-UP ACTIONS REQUIRED	DATE REQUIRED
Review cost estimates (90 days after anniversary date)	4/30/93
Compliance letter for deficiencies in F.A.	10/20/92
	/ /

Comments: FINANCIAL ASSURANCE FOR POST CLOSURE CARE IS DEFICIENT by $821,684. INDEPENDENT ACCOUNTANTS OPINION WAS QUALIFIED AND NO FORMS for Corporate Guarantee for closure, post closure care or for LIABILITY were provided.

Attachments: _____

Attachment B

LIABILITY CHECKLIST/FINANCIAL TEST

Owner or Operator: KEARNEY-NATIONAL INC (IM&P Co) Reviewed by: EPT

Address: 210 W. OAKTON, DES PLAINES IL 60017 Date: 9/15/92

Chief financial officer: (X) Annual report ( ) Form 10-K (X) Letter wording & signatures

Certified public accountant: (X) AICPA ( ) State CPA society ( ) Other: _____

Accountant's opinion: Date 5/26/92 ( ) Unqualified (X) Qualified ( ) Adverse ( ) Disclaimer

Accountant's special report: Date 6/5/92 (X) Latest fiscal year (X) Confirms CFD

FACILITIES COVERED BY FINANCIAL TEST

	Facility EPA ID #	Annual Aggregate Liability Coverage	Closure Costs		Post-Closure Costs		PROVIDED Total Cost Coverage	REQ'I TOTAL COST COVERAGE
			Current Estimate	Coverage	Current Estimate	Coverage		
		$	$	$	$	$	$	
ILD	085 352 474	$8,000,000	91,000	91,000	1,710,000	888,316	979,316	1,801,000
CAD	918 429 715	"	—	—		2,754,138	2,754,138	2,754,138
WAD	076 655 182	"	—	—		2,390,720	2,390,720	2,390,720
Total cost coverage ----------			$ 91,000	$ 91,000	$ 1,710,000	$6,033,174	$6,124,174	6,945,858
Maximum annual aggregate liability coverage ----------							8,000,000	8,000,000
Total coverage required for financial test ----------							$14,124,174	14,946,174

Financial Test: Fiscal Year 1/92 (m/y) (X) Alternative I (Ratio Test) ( ) Alternative II (Bond rating)

NET WORKING CAPITAL = 88,305,000
WHICH IS < 6X 14,946,174 (89,676,044)

FOLLOW-UP ACTIONS REQUIRED	DATE REQUIRED
Annual review (90 days after end of fiscal year)	4/30/93
COMPLIANCE LETTER FOR DEFICIENCIES IN F.A.	/ /
	/ /

Comments: $1,710,000 NEEDED FOR POST-CLOSURE CARE AT ILD 085 352 474; ONLY $888,316 PROVIDED. FINANCIAL ASSURANCE SHORT $821,684; FIRM FAILED NET WORKING CAPITAL TEST; ACCOUNTANT OPINION IS QUALIFIED W/ RESPECT TO NON-CONSOLIDATED SUBSIDIARIES; FORMS FOR CORP. GUARANTEE FOR CLOSURE, PCC + LIABILITY NOT PROVIDED.

Attachments: (X) Letter from Chief Financial Officer
(X) Accountant's opinion (X) Accountant's special report
( ) Other _____

IL 532-1040
LPC 124 2/83

Attachment C

GUARANTOR CHECKLIST/FINANCIAL TEST

Guarantor company: DYSON-KISSNER-MORAN Corp Reviewed by: EPT

Address: 230 Park Ave. New York, NY Date: 9/15/92

Chief Financial Officer: (X) Annual Report ( ) Form 10-K (X) Letter wording & signatures

Certified Public Accountant: (X) AICPA ( ) State CPA Society ( ) Other: _____

Accountant's Opinion: Date 5/26/92 ( ) Unqualified (X) Qualified ( ) Adverse ( ) Disclaimer

Accountant's Special Report: Date 6/15/92 (X) Latest Fiscal Year (X) Confirms CFO

Owner or operator: KEARNEY-NATIONAL Inc. (IMEP Co) ILD050 353 429

Affiliation: ( ) Same Company (X) Subsidiary, over 50% owned ( ) Other: _____

Corporate Guarantee: Date: __/__/__ ( ) Wording ( ) Signatures ( ) Not required
FORM NOT PROVIDED

FACILITIES COVERED BY FINANCIAL TEST

Facility EPA ID #	Current Cost Estimates		Total Cost
	Closure	Post-Closure	
ILD 085 352 747	$ 91,000	$ 1,710,000	$ 1,801,000
CAD 891 429 715	-	2,754,138	2,754,138
WAD 076 655 182	-	2,390,720	2,390,720
TOTAL	$ 91,000	$ 6,854,858	$ 6,945,858

Financial test: Fiscal year 1/31 (m/y) (X) Alternative I (Ratio Test) ( ) Alternative II (Bond-rating)

FOLLOW-UP ACTIONS REQUIRED	DATE REQUIRED
Annual review (90 days after end of fiscal year)	4/30/90
Compliance letter for deficiencies in F.A.	1/1
	1/1

Comments: FINANCIAL ASSURANCE for post closure care is SHORT by $ 821,684
Forms for Corporate Guarantee for closure, PCC and liability were not provided.
ACCOUNTANTS OPINION QUALIFIED with respect to NON-CONSOLIDATED majority-owned subsidiaries.

Attachments:
(X) Letter From Chief Financial Officer
( ) Corporate Guarantee — NOT PROVIDED
(X) Accountant's Opinion — QUALIFIED
(X) Accountant's Special Report
( ) Other

IL 532-1044
LPC 128 2/83

A45

A.T. Kearney, Inc.
222 South Riverside Plaza
Chicago, Illinois 60606
312 648 0111

Management
Consultants

AT KEARNEY

September 28, 1992

A.2.4

Mr. Bernie Orenstein
Regional Project Officer
U.S. Environmental Protection Agency
Region V
77 West Jackson Street
Chicago, Illinois 60604

Reference: EPA Contract No. 68-W9-0040; Work Assignment No. R05-27-01; Technical Review of Financial Records for Kearney-National, Inc.; EPA I.D. No. ILD 085352474; Final Deliverable (Task 03)

Dear Mr. Orenstein:

Enclosed please find the technical review of the Kearney-National, Inc. financial records which was completed in accordance with the above-referenced work assignment. Please note that per the IEPA's request, the review of the financial records for Kearney-National, Inc. was completed in place of the review for GMC Central Foundry (I.D. No. ILD005141551).

Overall, many of the required elements for financial assurance and liability insurance have been satisfactorily addressed by the facility; however, a number of deficiencies remain. Most importantly, post-closure care cost estimates were revised (increased) by the facility without updating the financial mechanisms employed. As a result, the facility fails the financial test (Alternative 1) and it is therefore not a viable mechanism. These deficiencies are included in the attached report.

Additionally, a container storage area was created during the closure of the underground storage tank at the facility. The facility submitted a closure plan for this unit which was approved by the IEPA on April 23, 1992. The facility submitted a modified closure plan for the unit on September 16, 1992. Revised closure cost estimates and financial assurance mechanisms are due to be submitted to the IEPA by October 30, 1992. To date, no financial assurance has been submitted for this unit.

Please do not hesitate to call me or Carrie Ericson, the Kearney Team Work Assignment Manager (who can be reached at 312/ 993-8736), if you have any questions.

Sincerely,

Carrie Ericson for

Monica B. Roll
Technical Director

cc: Z. Thomas, EPA Region V
H. Wright, IEPA
C. Ericson
W. Jordan
L. Poe
E. Theios, IND
J. Drieth

FINAL DELIVERABLE
(TASK 03)

TECHNICAL REVIEW OF FINANCIAL RECORDS for KEARNEY-NATIONAL, INC., DES PLAINES, ILLINOIS EPA I.D. No. ILD 085 352 474

Prepared for:

Mr. Bernie Orenstein
U.S. EPA
Regional Project Officer
Region V
77 West Jackson Street
Chicago, Illinois 60604

Prepared by:

A.T. Kearney, Inc.
222 S. Riverside Plaza
Chicago, Illinois 60606

In response to:

EPA Contract No. 68-W9-0040
Work Assignment No. RO5-27-01

September 28, 1992

Financial Record Review
General Comments/Deficiencies
for

Kearney-National, Inc., Des Plaines, Illinois
EPA I.D. No. ILD 085 352 474

GENERAL COMMENTS

The Closure/Post-Closure Plan cost estimates were approved by the IEPA on May 15, 1992. Therefore the associated cost estimates were not reviewed in this analysis. Many of the required elements for financial assurance and liability insurance are satisfactorily addressed in the facility's submissions; however, a number of deficiencies remain. These deficiencies are included in the following analysis.

BRIEF FACILITY SUMMARY

Kearney-National, Inc. was formerly a small quantity generator storing wastes for greater than 180 days. The facility contains two RCRA regulated units, a storage tank and a container storage unit which was created during closure of the storage tank. The facility is currently attempting clean-closure of the storage tank utilizing vapor extraction over a period of time. If it is not successful in achieving clean-closure of the unit, the facility will close the storage tank as a landfill with post-closure care. The facility is in the process of closing the container storage unit.

The IEPA files contain a number of closure plans for the storage tank with the latest IEPA approved closure plan dated May 15, 1992. Financial Assurance in the form of the Financial Test and Corporate Guarantee by the parent company, DKM Corp., was received on June 10, 1992. The approved closure plan was withdrawn on July 10, 1992 and resubmitted on September 1, 1992 as a contingent plan for closure as a landfill with post-closure care. No changes to the closure/post-closure care cost estimates previously approved in the May 15, 1992 plan were made in the resubmitted contingent plan. The contingent plan is currently pending Agency approval.

The facility submitted cost estimates for extended clean closure ($1,504,000) of the storage tank, as well as contingent cost estimates for closure as a landfill including post-closure care costs ($1,801,000). Financial assurance submitted by the facility for this unit is insufficient (please see Financial Instrument Review Section).

During closure of the storage tank, the facility inadvertently (by storing wastes for greater than 90 days) created a RCRA-regulated container storage area. A partial closure plan for this container storage unit was approved by IEPA on April 23, 1992. An initial closure cost estimate was submitted at that

time. The closure plan was modified on September 16, 1992. A revised closure cost estimate and corresponding financial assurance is scheduled for submittal by October 30, 1992.

TABLE I - ASSURANCE MECHANISMS

Closure Cost Est.	Post-Closure Cost Est.	Total Cost Est.	Total Cost Provided	Financial Assurance Mechanism
91,000	1,710,000	1,801,000	979,316	Financial Test Corporate Guarantee

TABLE II - INSURANCE MECHANISMS

Annual Aggregate Liability Coverage Required	Annual Aggregate Liability Coverage Provided	Liability Coverage Financial Assurance Mechanism
8,000,000	8,000,000	Corporate Guarantee

CLOSURE PLAN COST ESTIMATE REVIEW

Closure Plan cost estimates of $91,000 (see Table 1) for the storage tank were approved by the IEPA on May 15, 1992. Although the Closure Plan was withdrawn on June 10, 1992, it was resubmitted as the Contingent Closure Plan on September 1, 1992 with no changes to the closure care costs. It is assumed that the IEPA will approve the resubmitted plan as its closure care costs are identical to the previously approved plans'.

Revised Closure Plan cost estimates for the container storage area have not yet been submitted, therefore no review was conducted.

POST-CLOSURE PLAN COST ESTIMATE REVIEW

Post-Closure Plan cost estimates of $1,710,000 (see Table 1) for the storage tank were approved by the IEPA on May 15, 1992. Although the Post-Closure Plan was withdrawn on June 10, 1992, it was resubmitted as the Contingent Post-Closure plan on September 1, 1992 with no changes to the post-closure care costs. It is assumed that the IEPA will approve the resubmitted plan as its post-closure care costs are identical to the previously approved plans'.

The Closure Plan for the container storage unit provides for clean closure of the unit, therefore no Post-Closure Plan will be required.

FINANCIAL INSTRUMENT REVIEW

The facility provided financial assurance for Contingent Closure/Post-Closure Plan cost estimates through the use of the Financial Test and the Corporate Guarantee (see Table 1). A number of deficiencies were identified for these mechanisms:

Deficiency

35 Ill. Admin. Code 724.251 and 40 CFR 264.151(f)

The facility failed to provide the proper language in its Letter From the Chief Financial Officer to demonstrate liability coverage and assurance of closure and post-closure care. Section 5 of the letter currently states "This firm is not to file...". The correct language is "This firm is not required to file...". Additionally, in Sections 1 and 4, the Letter should specify the word "None" in the paragraphs which do not apply to the firm's facilities.

Proposed Action

Provide a Letter From the Chief Financial Officer to demonstrate liability coverage and assurance of closure and post-closure care with the proper corrected language.

Deficiency

35 Ill. Admin. Code 724.245 and 40 CFR 264.145

The facility failed to provide sufficient financial assurance for contingent post-closure care cost estimates. Contingent post-closure care cost estimates are $1,710,000. Financial assurance for contingent post-closure care is provided in the amount of $888,316 only.

Proposed Action

Provide increased financial assurance for contingent post-closure care in the amount of $821,684 so that the total financial assurance provided is $1,710,000.

Deficiency

35 Ill. Admin. Code 724.243(f)(1) and 40 CFR 265.143(f)(1)

The facility failed to demonstrate evidence of tangible net worth in excess of six times the sum of the current closure and post-closure cost estimates. As a result, it failed the financial test (Alternative 1) for closure and post-closure.

Proposed Action

Demonstrate that the firm's tangible net worth is in excess of six times the sum of the current closure and post-closure cost estimates, or provide an alternate financial assurance mechanism.

Deficiency

35 Ill. Admin. Code 724.243(f)(8) and 40 CFR 265.143(f)(8)

The facility failed to provide an explanation for the independent public accountant's qualified opinion with respect to non-consolidation of certain majority-owned subsidiaries.

Proposed Action

Provide an explanation as to why the independent public accountant's qualified opinion should not be grounds for disqualification for the financial test mechanism.

Deficiency

35 Ill. Admin. Code 724.251 and 40 CFR 264.151(h)

The facility failed to provide the Corporate Guarantee for Closure/Post-Closure Care on the required IEPA form (LPC 155).

Proposed Action

Provide the Corporate Guarantee for Closure/ Post-Closure Care on the required IEPA form (LPC 155).

LIABILITY COVERAGE REVIEW

The facility provided Annual Aggregate Liability Coverage in the amount of $8,000,000 on June 10, 1992 through the use of the Corporate Guarantee (see Table II). One deficiency was identified for this mechanism:

Deficiency

35 Ill. Admin. Code 724.251 and 40 CFR 264.151(h)

The facility failed to provide proof of Guarantee for Liability Coverage on the required IEPA form (LPC 271).

Proposed Action

Provide proof of Guarantee for Liability Coverage on the required IEPA form (LPC 271).

ANNUAL UPDATES

The Closure/Post-Closure Care Estimates were approved in 1992. The Contingent Closure/Post-Closure Care Estimates currently pending Agency approval are identical to the 1992 submission. Therefore, there are currently no annual updates to review.

ATTACHMENTS

Attachment A - Facility Checklist
Attachment B - Liability Checklist/Financial Test
Attachment C - Guarantor Checklist/Financial Test

Attachment A

FACILITY CHECKLIST

Facility Name: KEARNEY-NATIONAL INC. (IM&P Co) Reviewed by: EPT

U.S. EPA ID #: ILD085 352 474 Date: 9/15/92

Facility address: 210 W. Oakton, Des Plaines, IL 60017

Owner Name: DYSON-KISSNER-MORAN CORP.

Owner address: 230 Park Ave. New York, NY.

Estimated closure cost: $ 91,000 Date of estimate: 5/8/92

Estimated post-closure cost: $ 1,710,000 Date of estimate: 5/8/92

Latest annual adjustment factor: _____

Total estimated closure and post-closure costs: $ 1,801,000 Last adjusted 5/8/92

Financial Assurance Mechanisms Date Received: / /

Mechanism	Guarantor Name & Address	Effective Date	Amount of Coverage	Validation Date	Initials
		/ /	$	/ /	
F.T.	DYSON-KISSNER-MORAN	6/15/92	979,316	/ /	
		/ /		/ /	
		/ /		/ /	
		/ /		/ /	
		/ /		/ /	

Total Coverage $ 979,316 ($1,801,000 Needed)

Liability Coverage Mechanisms Date Received: / /

Mechanism	Guarantor Name	Effective Date	Amount of Coverage	Validation Date	Initials
		/ /	$	/ /	
F.T.	DYSON-KISSNER-MORAN	6/15/92	$ 8.0MM	9/15/92	EPT
		/ /		/ /	
		/ /		/ /	
		/ /		/ /	
		/ /		/ /	

Total Coverage $ 8,000,000

FOLLOW-UP ACTIONS REQUIRED	DATE REQUIRED
Review cost estimates (90 days after anniversary date)	4/30/93
Compliance letter for deficiencies in F.A.	10/20/92
	/ /

Comments: FINANCIAL ASSURANCE FOR POST CLOSURE CARE IS DEFICIENT by $821,684, INDEPENDENT ACCOUNTANTS OPINION WAS QUALIFIED AND NO FORMS for Corporate Guarantee for closure, post closure care or for LIABILITY were provided.

Attachments: _____

Attachment B

LIABILITY CHECKLIST/FINANCIAL TEST

Owner or Operator: KEARNEY-NATIONAL INC (IM&P Co) Reviewed by: EPT

Address: 210 W. OAKTON, DES PLAINES IL 60017 Date: 9/15/92

Chief financial officer: (X) Annual report ( ) Form 10-K (X) Letter wording & signatures

Certified public accountant: (X) AICPA ( ) State CPA society ( ) Other: _____

Accountant's opinion: Date 5/26/92 ( ) Unqualified (X) Qualified ( ) Adverse ( ) Disclaimer

Accountant's special report: Date 6/5/92 (X) Latest fiscal year (X) Confirms CFO

FACILITIES COVERED BY FINANCIAL TEST

	Facility EPA ID #	Annual Aggregate Liability Coverage	Closure Costs		Post-Closure Costs		PROVIDED Total Cost Coverage	REQ'D TOTAL COST COVERAGE
			Current Estimate	Coverage	Current Estimate	Coverage		
		$	$	$	$	$	$	
ILD	085 352 474	$8,000,000	91,000	91,000	1,710,000	888,316	979,316	1,801,000
CAD	918 429 715	"	—	—		2,754,138	2,754,138	2,754,138
WAD	076 655 182	"	—	—		2,390,720	2,390,720	2,390,720
Total cost coverage ----------			$ 91,000	$ 91,000	$ 1,710,000	$6,033,174	$6,124,174	6,945,858
Maximum annual aggregate liability coverage ----------							8,000,000	8,000,000
Total coverage required for financial test ----------							$14,124,174	14,946,174

Financial Test: Fiscal Year 1/92 (m/y) (X) Alternative I (Ratio Test) ( ) Alternative II (Bond rating)

NET WORKING CAPITAL = 88,305,000 WHICH IS < 6X 14,946,174 (89,676,164)

FOLLOW-UP ACTIONS REQUIRED	DATE REQUIRED
Annual review (90 days after end of fiscal year)	4/30/93
COMPLIANCE LETTER FOR DEFICIENCIES IN F.A.	/ /
	/ /

Comments: $1,710,000 NEEDED FOR POST-CLOSURE CARE AT ILD 085 352 474; ONLY $888,316 PROVIDED. FINANCIAL ASSURANCE SHORT $821,684; FIRM FAILED NET WORKING CAPITAL TEST; ACCOUNTANT OPINION IS QUALIFIED W/ RESPECT TO NON-CONSOLIDATED SUBSIDIARIES; FORMS FOR CORP. GUARANTEE FOR CLOSURE, PCC + LIABILITY NOT PROVIDED.

Attachments: (X) Letter from Chief Financial Officer
(X) Accountant's opinion (X) Accountant's special report
( ) Other _____

IL 532-1040
LPC 124 2/83

Attachment C

GUARANTOR CHECKLIST/FINANCIAL TEST

Guarantor company: DYSON-KISSNER-MORAN CORP Reviewed by: EPT

Address: 230 Park Ave. New York, N.Y. Date: 9/15/92

Chief Financial Officer: (X) Annual Report ( ) Form 10-K (X) Letter wording & signatures

Certified Public Accountant: (X) AICPA ( ) State CPA Society ( ) Other: _____

Accountant's Opinion: Date 5/26/92 ( ) Unqualified (X) Qualified ( ) Adverse ( ) Disclaimer

Accountant's Special Report: Date 6/15/92 (X) Latest Fiscal Year (X) Confirms CFO

Owner or operator: KEARNEY-NATIONAL INC. (I M & P Co) ILD 050 353 427

Affiliation: ( ) Same Company (X) Subsidiary, over 50% owned ( ) Other: _____

Corporate Guarantee: Date: __/__/__ ( ) Wording ( ) Signatures ( ) Not required

FORM NOT PROVIDED

FACILITIES COVERED BY FINANCIAL TEST

Facility EPA ID #	Current Cost Estimates		Total Cost
	Closure	Post-Closure	
ILD 095 352 747	$ 91,000	$ 1,710,000	$ 1,801,000
CAD 891 429 715	-	2,754,138	2,754,138
WAD 076 655 182	-	2,390,720	2,390,720
TOTAL	$ 91,000	$ 6,854,858	$ 6,945,858

Financial test: Fiscal year 1/31 (m/y) (X) Alternative I (Ratio Test) ( ) Alternative II (Bond-rating)

FOLLOW-UP ACTIONS REQUIRED	DATE REQUIRED
Annual review (90 days after end of fiscal year)	4/30/90
Compliance letter for deficiencies in F.A.	__/__/__
	__/__/__

Comments: FINANCIAL ASSURANCE for post closure care is SHORT by $ 821,684
FORMS for Corporate Guarantee for closure, PCC and liability were not provided.
ACCOUNTANTS OPINION QUALIFIED with respect to non-consolidated majority-owned subsidiaries.

Attachments:
(X) Letter From Chief Financial Officer
( ) Corporate Guarantee — NOT PROVIDED
(X) Accountant's Opinion — QUALIFIED
(X) Accountant's Special Report
( ) Other

IL 532-1044
LPC 128 2/83